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March 30, 2006

Mr. Jim Tishler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

RE: Former Mobil RAS #SR-OSA/257 College Avenue, Santa Rosa, California.

Dear Mr. Tishler:

Attached for your review and comment is a copy of the letter report entitled *Recommendation for Case Closure*, dated March 30, 2006, for the above-referenced site. The report was prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California, and details closure activities for the subject site.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

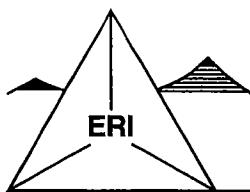
A handwritten signature in black ink, appearing to read "JCS".

Jennifer C. Sedlachek
Project Manager

Attachment: ERI's Recommendation for Case Closure, dated March 30, 2006.

cc: w/ attachment
Mr. Tim Michell, Mission Hand Car Wash and Quik Lube
Mr. Paul Lowenthal, City of Santa Rosa Fire Department

w/o attachment
Ms. Paula Sime, Environmental Resolutions, Inc.



ENVIRONMENTAL RESOLUTIONS, INC.

March 30, 2006
ERI 259214.R04

Ms. Jennifer C. Sedlachek
ExxonMobil Refining & Supply – Global Remediation
4096 Piedmont Avenue, #194
Oakland, California 94611

SUBJECT Recommendation for Case Closure
 Former Mobil Service Station SR-OSA
 257 College Avenue, Santa Rosa, California

Ms. Sedlachek:

At the request of ExxonMobil Oil Corporation (ExxonMobil), Environmental Resolutions, Inc. (ERI) has prepared this Recommendation for Case Closure for the subject site. This report summarizes site background (including previous investigations and remedial actions), site conditions, and presents an evaluation of site conditions relative to the California Regional Water Quality Control Board, North Coast Region (the Regional Board), groundwater cleanup goals.

SITE BACKGROUND

Site Location and Land Use

The site is located on the northwestern corner of the intersection of College Avenue and Morgan Street in Santa Rosa, California, as shown on the Site Vicinity Map (Plate 1). The locations of the former underground storage tanks (USTs), dispenser islands, and other select site features are shown on the Generalized Site Plan (Plate 2). In 1985, ExxonMobil sold the site to Mr. Robert Mello who operated Crystal Clear Car Wash at the property. The site was remodeled after the property was sold; the building, dispenser islands, product lines, and vapor recovery lines and vent lines were removed and replaced. In 1995, the site was sold to Mr. Ed Gilmore who operated the site as a Royal Coach Car Wash. The site is currently owned and operated by Mission Car Wash II.

Land use in the immediate vicinity is primarily commercial and residential. The site is bordered by the Highway 101 onramp on the west, by College Avenue and a Shell-branded service station and a Valero-branded service station beyond to the south and southeast, by Morgan Avenue and a vacant lot beyond to the east, and by residential property to the north. Topography in the vicinity of the site is relatively flat. The site has an elevation of approximately 150 feet above mean sea level. The nearest surface water is Santa Rosa Creek located approximately 3,300 feet south of the site.

In March 1999, one 5,000-gallon diesel UST, one 8,000-gallon gasoline UST, and one 10,000-gallon gasoline UST and associated product piping were removed from east side of the property (TransTech, 2000). The used-oil UST was removed from the north side of the property in late 1984 or early 1985 (EMCON, 1993).

Site History, Previous Investigations, and Remedial Actions

The site began operation as a service station in 1956. In July 1988, the Regional Board requested a hydrogeologic investigation to determine extent of petroleum hydrocarbon concentrations to soil and groundwater. In August 1989, EMCON Associates (EMCON) installed monitoring wells MW1 through MW4 (EMCON, 1990). In April 1991, EMCON drilled soil borings SB1 through SB4 and installed wells

MW6 and MW7 (EMCON, 1991). In November 1992, EMCON drilled soil borings SB5 through SB9 (EMCON, 1993). Soil boring and monitoring well locations are shown on Plate 2. Analytical results of soil samples collected from these borings and monitoring wells are provided in Attachment A. Select analytical results from these borings and monitoring wells are shown on Plate 3.

In March 1999, the USTs and product lines were removed (TransTech, 2000). Approximately 375 tons of soil containing petroleum hydrocarbons were removed from the site. The approximate limits of the excavations and the locations of soil samples are shown on Plate 4. In addition, approximately 34,000 gallons of groundwater containing petroleum hydrocarbons were removed from the former UST excavation. Analytical results from soil samples collected during the UST and product lines removal activities are summarized in Attachment B. Select analytical results are shown on Plate 4.

In January 2005, ERI observed Gregg Drilling, Inc. (Gregg) of Martinez, California advance six soil borings (B1, B2, and B4 through B7) to 12 feet below ground surface (fbgs) to assess soil conditions in the vicinity of the former underground fuel storage and delivery facilities. Pea gravel and concrete were encountered in soil boring B3 at a depth of 2 fbgs and the boring was abandoned due to unsafe conditions. Concentrations of total petroleum hydrocarbons as gasoline (TPHg) were present in borings B1, B2, and B4 through B6, with the maximum concentration of 1,410 milligrams per kilogram (mg/kg) in boring B5 at a depth of 6 fbgs. Concentrations of benzene were present in all borings, with the maximum concentration of 5.11 mg/kg reported in boring B5 at a depth of 2 fbgs. Concentrations of methyl tertiary butyl ether (MTBE) were present in borings B4 through B7, with the maximum concentration of 0.0935 mg/kg reported in boring B7 at a depth of 10 fbgs. Soil sample analytical results are presented in Attachment A and select analytical results are shown on Plate 5.

In March 2006, ERI updated the sensitive receptor survey (SRS) to locate municipal and domestic water wells within a 2,000-foot radius of the site. A review of Department of Water Resource (DWR) files revealed seven wells including one municipal well, within 2,000-foot radius of the site. A review of the City of Santa Rosa Public Works files revealed 16 properties with probable wells, 40 properties with known wells, and one municipal well located within the search radius. Only three wells were identified by both the City of Santa Rosa and DWR; the municipal well identified as the "Freeway Well" by the City of Santa Rosa and two "known" wells, installed in 1975 and 1978. The municipal well identified during the well search is located approximately 1,590 feet northwest of the site. The nearest "known well" is located at 320 College Avenue, approximately 160 feet east of the site. A DWR form also exists for this well. The community of Santa Rosa obtains its drinking water from surface water and municipal groundwater wells. ERI performs a SRS annually.

ExxonMobil initiated quarterly groundwater monitoring and sampling in 1991. A groundwater contour map and select groundwater analytical results from the most recent groundwater monitoring event are presented as Plates 6 and 7 respectively. Cumulative results of groundwater monitoring and sampling events are provided in Tables 1A and 1B and well construction details are presented in Table 2.

Regional Geology and Hydrogeology

The site is located in the central part of Sonoma County, approximately 1/4 mile south of downtown Santa Rosa. The site is located in the northwest-southeast trending Santa Rosa Valley which is part of the central Coast Ranges Geomorphic province. The Santa Rosa Valley consists primarily of Quaternary basin and alluvial fan deposits consisting of clay and silty clay and fine sands, silt, silty clay, coarse sand and gravel, respectively.

The site is located in the Santa Rosa Plain groundwater sub-basin which is part of the Santa Rosa Groundwater Basin. Groundwater here occurs under unconfined conditions. The site is mapped as not being located in a natural recharge area (DWR, 1975). The alluvial aquifer appears to be recharged in stream channel deposits. The alluvial fan deposits in the Santa Rosa Plain are not permeable enough to act as recharge areas (DWR, 1982).

Site Geology and Hydrogeology

Based on a review of the boring logs, sediments encountered in soil borings at the site consisted predominantly of silt and clay with thin layers of sand to approximately 20 fbs, the total depth explored.

ExxonMobil initiated quarterly groundwater monitoring and sampling beginning January 1991. Depth to groundwater beneath the site has ranged from 3.5 to 12 fbs since 1991. Groundwater flow direction is towards the northwest with an average hydraulic gradient of 0.025. The most recent groundwater data is presented on November 28, 2005, indicate that the groundwater flow direction is toward the northwest as presented on Plate 6. A rose diagram showing groundwater flow directions is also included on Plate 6. Cumulative results of groundwater monitoring and sampling events are provided in Tables 1A and 1B. Graphs 1 through 6 present hydrographs of monitoring wells MW1 through MW4, MW6, and MW7. The hydrographs include concentrations of TPHg, benzene, and MTBE.

SITE CONDITIONS

Residual Petroleum Hydrocarbon Concentrations in Soil

Fifty-one soil samples were collected during the installation of groundwater monitoring wells MW1 through MW4, MW6, and MW7, and soil borings SB1, SB3 through SB9, B1, B2, and B4 through B7 (EMCON, 1991, 1993; ERI 2005). Thirty-four soil samples were collected during the removal of the USTs, dispensers and the product line piping (Trans Tech, 2000). Concentrations of TPHg were present at a maximum concentration of 3,500 mg/kg (PX3, 6.0'); concentrations of benzene were present at a maximum concentration of 23 mg/kg (PX3, 6.0'); and concentrations of MTBE were present at a maximum concentration of 0.0935 mg/kg (B7, 11.5').

Select soil analytical results from these previous investigations are presented on Plates 3 through 5. Select data from all the investigations is presented on Plates 8 through 10 and showing the distribution of TPHg, benzene, and MTBE, respectively, in soil at the site.

On the basis of these analytical data, ERI draws the following conclusions:

- The extent of petroleum hydrocarbon concentrations in soil is adequately delineated to the north and west of the USTs and dispensers.
- Concentrations of 290 mg/kg TPHg in SB4 and SW3, and of 1,700 mg/kg TPHg in SB3, indicate that the extent of petroleum hydrocarbon concentrations in soil is not fully delineated immediately east of the former UST excavation. This is the area where boring B3 had been planned.
- Concentrations of 1,410 mg/kg TPHg and 5.11 mg/kg benzene in B5 indicate that the extent of petroleum hydrocarbon concentrations in soil is not fully delineated south of the western dispenser area.

Although petroleum hydrocarbon concentrations in soil have not been delineated to below laboratory reporting limits east of the USTs and south of the dispensers, groundwater data indicates that soil in these areas is not a continuing secondary source of hydrocarbons to groundwater. Monitoring well MW6 is located downgradient from the dispensers; monitoring well MW7 is located immediately downgradient of the UST excavation. Graphs 5A through 5D and 6A through 6G show that concentrations of TPHg, benzene, and MTBE have declined in both wells since 1999.

Dissolved Petroleum Hydrocarbon Concentrations in Groundwater

Groundwater monitoring and sampling has been conducted since 1991. Groundwater analytical results are summarized in Tables 1A and 1B. Select analytical results from the most recent groundwater monitoring event are presented on Plate 7. Concentrations of TPHd, TPHg, benzene, and MTBE in

groundwater have decreased in all of the groundwater monitoring wells (see Graphs 1 through 6 for wells MW1 through MW4, MW6, and MW7, respectively).

Since 1999 (following the removal of the USTs and associated lines), dissolved-phase hydrocarbon concentrations were detected in groundwater monitoring wells at concentrations up to 5,500 µg/L for total petroleum hydrocarbons as diesel (TPHd) (MW7, 7/19/99), up to 9,600 µg/L for TPHg (MW7, 7/19/99); up to 93 µg/L for benzene (MW7, 7/19/99); up to 340 µg/L for ethylbenzene (MW7, 7/19/99), up to 4.50 µg/L for toluene (MW3, 3/4/03); and up to 14.9 µg/L for xylenes (MW7, 4/17/02). Concentrations of MTBE were also detected, up to 260 µg/L (by EPA Method 8260, MW6, 11/29/99 and 2/8/00).

Since 2003, dissolved-phase hydrocarbon concentrations were detected in groundwater monitoring wells at concentrations up to 1,680 µg/L for TPHd (MW6, 12/21/04), up to 321 µg/L for TPHg (MW2, 6/27/03); up to 34.50 µg/L for benzene (MW3, 3/4/03); up to 9.90 µg/L for ethylbenzene (MW3, 3/4/03), up to 4.50 µg/L for toluene (MW3, 3/4/03); and up to 14.80 µg/L for xylenes (MW3, 3/4/03). Concentrations of MTBE were also detected, up to 67.1 µg/L (by EPA Method 8260, MW6, 12/15/03).

Currently, TPHg and MTBE are the only constituents present in groundwater samples. Concentrations of TPHg were reported at 57.9 µg/L and 53.3 µg/L in groundwater samples collected from monitoring wells MW2 and MW7, respectively. Concentrations of MTBE were reported in groundwater samples collected from wells MW2, MW3, MW6, and MW7 at up to 2.50 µg/L. Currently, concentrations of TPHd and BTEX have not been detected at or above the laboratory reporting limit in groundwater samples collected from wells MW1 through MW7.

The primary source of TPHd, TPHg, benzene, and MTBE is assumed to be from the former UST field (located on the eastern portion of the site).

EVALUATION OF SITE CONDITIONS RELATIVE TO GROUNDWATER CLEANUP GOALS

The Regional Board groundwater clean-up goals for groundwater were compared with groundwater sample analytical results collected since 2002. Specific Regional Board goals and analytical results since 1999 (highlighted when goals were exceeded) are presented on Table 3.

For a low-risk groundwater case to be closed, the Regional Board has designated the following groundwater clean-up goals for common petroleum hydrocarbons:

- Benzene at .15 µg/L (laboratory reporting limit 0.5 µg/L)
- Toluene at 40 µg/L
- Ethylbenzene at 30 µg/L
- Total xylenes at 20 µg/L
- MTBE at 5 µg/L
- TPHg at 50 µg/L (laboratory reporting limit 50 µg/L)
- TPHd at 50 µg/L (laboratory reporting limit 50 µg/L)

Groundwater Conditions

Based on groundwater conditions since 1999 (following the removal of the USTs), the toluene, ethylbenzene, and xylene concentrations are below the Regional Board cleanup goals for each constituent. Concentrations of benzene have exceeded the Regional Board cleanup goals in all of the wells except well MW6. The highest concentration of benzene was reported in well MW7 at 93 µg/L (7/19/99). Concentrations of benzene have steadily declined in Well MW7; most recently benzene was not reported at or above the laboratory reporting limit (<0.5 µg/L).

Based on groundwater conditions since 1999, MTBE concentrations have decreased in all wells. The Regional Board water quality goal for MTBE has been met since at least March 2005 in wells MW1, MW2,

not been reported in any of the groundwater monitoring wells at or above the laboratory reporting limit. Concentrations of TPHg have also been reported above the Regional Board cleanup goals in all groundwater monitoring wells, except Well MW1. The highest concentration of TPHg was reported in well MW7 at 9,600 µg/L (7/19/99). Concentrations of TPHg have steadily declined in MW7; most recently TPHg was reported at a concentration of 53.3 µg/L (11/28/05). Concentrations of TPHg were also reported in groundwater monitoring well MW2 at 57.9 µg/L (11/28/05). Concentrations of TPHg have not been reported at or above the laboratory reporting limit in wells MW3, MW4, and MW6 since March 2005.

CONCLUSIONS

Based on the following criteria, it is ERI's opinion that residual and dissolved-phase hydrocarbons in soil and groundwater underlying the subject site have been identified.

- The USTs, dispenser islands, and associated piping were removed from the site in 1999.
- As of June 2005 or earlier, concentrations of TPHd, TPHg, and BTEX are below the Regional Board clean-up goals for groundwater samples collected from groundwater monitoring wells MW1, MW3, MW4, and MW6.
- As of March 2005 or earlier, concentrations of MTBE are below the Regional Board clean-up goals for groundwater samples collected from groundwater monitoring wells MW1, MW2, MW3, MW4, and MW7.
- Current concentrations of MTBE in groundwater do not exceed the Regional Board clean-up goals in monitoring well MW6; however, a concentration of 5.57 µg/L was reported as recently as September 2005;
- Concentrations of TPHg in groundwater that are above Regional Board clean-up goals are limited in extent and decreasing (only groundwater monitoring wells MW2 and MW7). The clean-up goal for TPHg is projected to be attained by early 2007.
- The nearest municipal well, identified as the "Freeway Well," is located downgradient and approximately 1590 feet northwest of the site. The nearest "known" domestic well is located crossgradient and approximately 160 feet east from the site at 320 College Avenue.
- The nearest surface water is Santa Rosa Creek located 3,300 feet south and crossgradient to the site.

RECOMMENDATIONS

Based on the previous environmental investigations and current site conditions, ERI does not recommend additional assessment activities. ERI recommends that the subject site be reviewed for case closure. ERI also recommends that ExxonMobil destroy the existing monitoring wells or transfer ownership of the monitoring wells to the current property owner.

DOCUMENT DISTRIBUTION

ERI recommends forwarding copies of this report to:

Mr. Jim Tischler
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

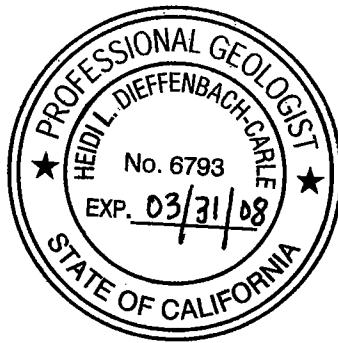
Mr. Tim Mitchell
Mission Hand Car Wash and Quik Lube
59 Mission Circle
Santa Rosa, California 95409

Mr. Paul Lowenthal
City of Santa Rosa Fire Department
955 Sonoma Avenue
Santa Rosa, California 95404

LIMITATIONS

This report was prepared in accordance with generally accepted standards of environmental practice in California at the time this investigation was performed. This report has been prepared for ExxonMobil, and any reliance on this report by third parties shall be at such party's sole risk.

Please call Ms. Paula Sime, ERI's project manager for this site, at (707) 766-2000 with any questions regarding this report.



Sincerely,
Environmental Resolutions, Inc.

Paula Sime
Paula Sime
Project Manager

Heidi Dieffenbach-Carle
Heidi L. Dieffenbach-Carle
P.G. 6793

SCANNED PAGE

Attachments: References

Table 1A: Cumulative of Groundwater Monitoring and Sampling Data
Table 1B: Additional Cumulative Groundwater Monitoring and Sampling Data
Table 2: Well Construction Details
Table 3: 1999-2005 Groundwater Analytical Results Compared with Regional Board Water Quality Objectives

Plate 1: Site Vicinity Map
Plate 2: Generalized Site Plan
Plate 3: Soil Analytical Results From 1989 through 1992
Plate 4: Soil Analytical Results From 1999
Plate 5: Soil Sample Locations and 2005 Soil Analytical Results
Plate 6: Groundwater Elevation Map, November 28, 2005
Plate 7: Select Analytical Results, November 28, 2005
Plate 8: Analytical Results of TPHg in Soil
Plate 9: Analytical Results of Benzene in Soil
Plate 10: Analytical Results of MTBE in Soil

Graphs 1A through 1D: Well MW1 Hydrographs
Graphs 2A through 2E: Well MW2 Hydrographs
Graphs 3A through 3D: Well MW3 Hydrographs
Graphs 4A through 4E: Well MW4 Hydrographs
Graphs 5A through 5D: Well MW6 Hydrographs
Graphs 6A through 6G: Well MW7 Hydrographs

Attachment A: Results of Laboratory Analyses of Previous Soil Samples

REFERENCES

Department of Water Resources (DWR). December 1975. *Evaluation of Ground Water Resources Sonoma County, Volume 2: Santa Rosa Plain*. Department of Water Resources Bulletin No. 118-4.

Department of Water Resources (DWR). September 1982. *Evaluation of Ground Water Resources Sonoma County, Volume 2: Santa Rosa Plain*. Department of Water Resources Bulletin No. 118-4.

EMCON Associates (EMCON). February 6, 1990. *Environmental Site Assessment Report, 257 College Avenue, Santa Rosa, California*.

EMCON Associates (EMCON). August 29, 1991. *Soil and Ground-water Characterization Report, 257 College Avenue, Santa Rosa, California*.

EMCON Associates (EMCON). January 29, 1993. *Soil and Groundwater Characterization Report, Former Mobil Oil Corporation (Mobil) Service Station No. SROSA, 257 College Avenue, Santa Rosa, California*.

Environmental Resolutions, Inc. (ERI). September 14, 2004. *Work Plan for Supplemental Evaluation of Soil and Groundwater, Former Mobil Station SR-OSA, 257 College Avenue, Santa Rosa, California*. ERI 259214.W01.

Environmental Resolutions, Inc. (ERI). December 6, 2004. *Amendment to Work Plan for Supplemental Evaluation of Soil and Groundwater, Former Mobil Station SR-OSA, 257 College Avenue, Santa Rosa, California*. ERI 259214.W02.

TransTech Consultants. August 1, 2000. Transmittal (Documents pertaining to Tank Removal).

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
257 College Avenue,
Santa Rosa, California
(Page 1 of 9)

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW1	09/21/89	150.41	—	—	—	<50	<50	—	—	<0.50	<1.0	<1.0	<3.0
MW1	01/09/91	150.41	4.64	145.77	—	—	—	—	—	—	—	—	—
MW1	02/07/91	150.41	4.64	145.77	—	<50	<50	—	—	<0.50	<1.0	<1.0	<1.0
MW1	03/26/91	150.41	4.98	145.43	—	—	—	—	—	—	—	—	—
MW1	04/15/91	150.41	4.83	145.58	—	—	—	—	—	—	—	—	—
MW1	05/06/91	150.41	4.84	145.57	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	06/12/91	150.41	4.92	145.49	—	—	—	—	—	—	—	—	—
MW1	07/03/91	150.41	4.94	145.47	—	—	—	—	—	—	—	—	—
MW1	08/06/91	150.41	5.01	145.40	—	<50	<50	—	—	<0.30	<0.30	<0.30	<0.30
MW1	09/11/91	150.41	5.36	145.05	—	—	—	—	—	—	—	—	—
MW1	10/18/91	150.41	5.46	144.95	—	—	—	—	—	—	—	—	—
MW1	11/25/91	150.41	5.20	145.21	—	<50	35	—	—	<0.30	<0.30	<0.30	<0.30
MW1	12/20/91	150.41	5.15	145.26	—	—	—	—	—	—	—	—	—
MW1	02/06/92	150.41	5.00	145.41	—	<50	<30	—	—	<0.30	<0.30	<0.30	<0.30
MW1	05/12/92	150.41	4.87	145.54	—	<50	<30	—	—	<0.30	<0.30	<0.30	<0.30
MW1	09/03/92	150.41	5.25	145.16	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	11/24/92	150.41	4.89	145.52	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	02/11/93	150.41	3.96	146.45	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	05/06/93	150.41	4.84	145.57	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	07/27/93	150.41	4.98	145.43	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	11/30/93	150.41	4.89	145.52	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	02/22/94	150.41	3.88	146.53	—	—	—	—	—	—	—	—	—
MW1	05/26/94	150.41	4.97	145.44	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	08/11/94	150.41	5.21	145.20	—	—	—	—	—	—	—	—	—
MW1	11/11/94	150.41	4.20	146.21	—	<500	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	05/09/95	150.41	4.58	145.83	—	<50	<50	3.6	—	<0.50	<0.50	<0.50	<0.50
MW1	11/20/95	150.41	5.16	145.25	—	ND	ND	11	—	ND	0.61	ND	0.64
MW1	05/23/96	150.41	4.14	146.27	—	ND	ND	6.8	—	ND	ND	ND	ND
MW1	11/11/96	150.41	5.09	145.32	—	ND	ND	3.7	—	ND	ND	ND	ND
MW1	07/19/99	150.41	4.95	145.46	—	75	ND	ND	—	ND	ND	ND	ND
MW1	11/29/99	150.41	4.71	145.70	—	—	ND	NDb	—	ND	ND	ND	ND
MW1	02/08/00	150.41	5.36	145.05	—	<50	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW1	05/03/00	150.41	4.57	145.84	—	<50	<50	—	<5	<1	<2	<2	<1
MW1	08/10/00	150.41	6.03	144.38	—	<47	<20	—	<5	<1	<1	<1	<1
MW1	11/15/00	150.41	6.80	143.61	—	<47	<20	<0.30	<5	<0.20	0.23	<0.20	<0.60
MW1	02/28/01	150.41	5.46	144.95	—	<47	<20	<0.30	—	<0.20	<0.20	<0.20	<0.60
MW1	06/01/01	150.41	6.09	144.32	—	<480	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW1	08/15/01	150.41	6.15	144.26	—	—	<50	<0.30	—	<0.20	<0.20	<0.20	<0.60
MW1	10/30/01	150.41	5.90	144.51	—	25	<50	0.65	<2	1.1	0.20	<0.20	<0.60
MW1	11/06/01	149.97	Well resurveyed.										
MW1	01/29/02	149.97	5.59	144.38	—	<50.0	<50.0	—	<0.5	<0.50	<0.50	<0.50	<0.50
MW1	04/17/02	149.97	5.87	144.10	—	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
257 College Avenue,
Santa Rosa, California
(Page 2 of 9)

Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	08/01/02	149.97	6.03	143.94	---	<50.0	<50.0	---	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	11/13/02	149.97	6.18	143.79	---	<50.0	<50.0	<0.50	---	<0.50	<0.50	<0.50	<0.50
MW1	03/04/03	149.97	5.95	144.02	---	<50.0	<50.0	<0.50	---	<0.50	<0.50	<0.50	<0.50
MW1	06/27/03	149.97	6.08	143.89	NLPH	62	<50.0	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW1	09/23/03	149.97	6.21	143.76	NLPH	<50	<50.0	<50	---	<0.50	<50	<50	<50
MW1	12/15/03	149.97	5.47	144.50	NLPH	<50	<50.0	<0.5	---	<0.50	<0.5	<0.5	<0.5
MW1	03/18/04	149.97	6.00	143.97	NLPH	<50	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	06/23/04	149.97	6.22	143.75	NLPH	<50	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	09/20/04	149.97	6.32	143.65	NLPH	93	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	12/21/04	149.97	6.14	143.83	NLPH	62	<50.0	---	<0.50	<0.50	1.7	<0.5	2.0
MW1	01/18/05	149.95	Well resurveyed in compliance with AB 2886 requirements.					---	---	---	---	---	---
MW1	03/23/05	149.95	4.81	145.14	NLPH	<50	<50.0	---	<0.50	<0.50	0.5	<0.5	0.8
MW1	06/22/05	149.95	6.03	143.92	NLPH	66	<50.0	---	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	09/13/05	149.95	6.23	143.72	NLPH	<50.0	<50.0	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	11/28/05	149.95	6.15	143.80	NLPH	<50.0	<50.0	---	<0.500	<0.50	<0.50	<0.50	<0.50
MW2	09/21/89	151.60	—	—	—	—	760	—	—	4.40	3.00	46.0	120.0
MW2	01/09/91	151.60	4.07	147.53	—	—	—	—	—	—	—	—	—
MW2	02/07/91	151.60	8.47	143.13	—	<50	260	—	—	6.60	<1.00	22.0	55.0
MW2	03/26/91	151.60	8.88	142.72	—	—	—	—	—	—	—	—	—
MW2	04/15/91	151.60	8.29	143.31	—	—	—	—	—	—	—	—	—
MW2	05/06/91	151.60	8.63	142.97	—	<50	200	—	—	2.30	<0.5	9.10	7.50
MW2	06/12/91	151.60	8.96	142.64	—	—	—	—	—	—	—	—	—
MW2	07/03/91	151.60	9.02	142.58	—	—	—	—	—	—	—	—	—
MW2	08/06/91	151.60	9.11	142.49	—	<50	69	—	—	0.57	<0.30	3.20	3.60
MW2	09/11/91	151.60	9.33	142.27	—	—	—	—	—	—	—	—	—
MW2	10/18/91	151.60	9.37	142.23	—	—	—	—	—	—	—	—	—
MW2	11/25/91	151.60	9.13	142.47	—	<50	360	—	—	0.63	<0.30	7.40	9.90
MW2	12/20/91	151.60	9.07	142.53	—	—	—	—	—	—	—	—	—
MW2	02/06/92	151.60	8.80	142.80	—	<50	580	—	—	0.91	8.70	8.70	11.0
MW2	05/12/92	151.60	7.84	143.76	—	<50	120	—	—	0.47	0.330	3.60	3.30
MW2	09/03/92	151.60	9.22	142.38	—	<50	98	—	—	14.0	<0.50	2.80	3.10
MW2	11/24/92	151.60	8.89	142.71	—	<50	97	—	—	<0.50	<0.50	3.20	2.70
MW2	02/11/93	151.60	7.35	144.25	—	110	650	—	—	2.50	0.75	44.0	47.0
MW2	05/06/93	151.60	8.68	142.92	—	62	230	—	—	0.58	<0.50	8.00	7.00
MW2	07/27/93	151.60	8.95	142.65	—	76	140	—	—	<0.50	<0.50	3.50	3.20
MW2	11/30/93	151.60	7.69	143.91	—	270	490	—	—	1.0	<0.50	36.0	36.0
MW2	02/22/94	151.60	7.05	144.55	—	—	—	—	—	—	—	—	—
MW2	05/26/94	151.60	8.70	142.90	—	220	360	—	—	0.68	<0.50	9.00	7.30
MW2	08/11/94	151.60	9.21	142.39	—	—	—	—	—	—	—	—	—
MW2	11/11/94	151.60	8.00	143.60	—	430	650	—	—	3.9	1.8	49	66
MW2	05/09/95	151.60	8.33	143.27	—	<50	160	5.5	—	1.2	0.58	1.6	0.97

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW1	09/21/89	150.41	—	—	—	<50	<50	—	—	<0.50	<1.0	<1.0	<3.0
MW1	01/09/91	150.41	4.64	145.77	—	—	—	—	—	—	—	—	—
MW1	02/07/91	150.41	4.64	145.77	—	<50	<50	—	—	<0.50	<1.0	<1.0	<1.0
MW1	03/26/91	150.41	4.98	145.43	—	—	—	—	—	—	—	—	—
MW1	04/15/91	150.41	4.83	145.58	—	—	—	—	—	—	—	—	—
MW1	05/06/91	150.41	4.84	145.57	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	06/12/91	150.41	4.92	145.49	—	—	—	—	—	—	—	—	—
MW1	07/03/91	150.41	4.94	145.47	—	—	—	—	—	—	—	—	—
MW1	08/06/91	150.41	5.01	145.40	—	<50	<50	—	—	<0.30	<0.30	<0.30	<0.30
MW1	09/11/91	150.41	5.36	145.05	—	—	—	—	—	—	—	—	—
MW1	10/18/91	150.41	5.46	144.95	—	—	—	—	—	—	—	—	—
MW1	11/25/91	150.41	5.20	145.21	—	<50	35	—	—	<0.30	<0.30	<0.30	<0.30
MW1	12/20/91	150.41	5.15	145.26	—	—	—	—	—	—	—	—	—
MW1	02/06/92	150.41	5.00	145.41	—	<50	<30	—	—	<0.30	<0.30	<0.30	<0.30
MW1	05/12/92	150.41	4.87	145.54	—	<50	<30	—	—	<0.30	<0.30	<0.30	<0.30
MW1	09/03/92	150.41	5.25	145.16	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	11/24/92	150.41	4.89	145.52	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	02/11/93	150.41	3.96	146.45	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	05/06/93	150.41	4.84	145.57	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	07/27/93	150.41	4.98	145.43	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	11/30/93	150.41	4.89	145.52	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	02/22/94	150.41	3.88	146.53	—	—	—	—	—	—	—	—	—
MW1	05/26/94	150.41	4.97	145.44	—	<50	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	08/11/94	150.41	5.21	145.20	—	—	—	—	—	—	—	—	—
MW1	11/11/94	150.41	4.20	146.21	—	<500	<50	—	—	<0.50	<0.50	<0.50	<0.50
MW1	05/09/95	150.41	4.58	145.83	—	<50	<50	3.6	—	<0.50	<0.50	<0.50	<0.50
MW1	11/20/95	150.41	5.16	145.25	—	ND	ND	11	—	ND	0.61	ND	0.64
MW1	05/23/96	150.41	4.14	146.27	—	ND	ND	6.8	—	ND	ND	ND	ND
MW1	11/11/96	150.41	5.09	145.32	—	ND	ND	3.7	—	ND	ND	ND	ND
MW1	07/19/99	150.41	4.95	145.46	75	ND	ND	—	—	ND	ND	ND	ND
MW1	11/29/99	150.41	4.71	145.70	—	ND	ND	NDb	—	ND	ND	ND	ND
MW1	02/08/00	150.41	5.36	145.05	—	<50	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW1	05/03/00	150.41	4.57	145.84	—	<50	<50	—	<5	<1	<2	<2	<1
MW1	08/10/00	150.41	6.03	144.38	—	<47	<20	—	<5	<1	<1	<1	<1
MW1	11/15/00	150.41	6.80	143.61	—	<47	<20	<0.30	<5	<0.20	0.23	<0.20	<0.60
MW1	02/28/01	150.41	5.46	144.95	—	<47	<20	<0.30	—	<0.20	<0.20	<0.20	<0.60
MW1	06/01/01	150.41	6.09	144.32	—	<480	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW1	08/15/01	150.41	6.15	144.26	—	—	<50	<0.30	—	<0.20	<0.20	<0.20	<0.60
MW1	10/30/01	150.41	5.90	144.51	—	25	<50	0.65	<2	1.1	0.20	<0.20	<0.60
MW1	11/06/01	149.97	Well resurveyed.										
MW1	01/29/02	149.97	5.59	144.38	—	<50.0	<50.0	—	<0.5	<0.50	<0.50	<0.50	<0.50
MW1	04/17/02	149.97	5.87	144.10	—	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1A
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Former Mobil Service Station SR-OSA
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW1	08/01/02	149.97	6.03	143.94	—	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	11/13/02	149.97	6.18	143.79	—	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
MW1	03/04/03	149.97	5.95	144.02	—	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
MW1	06/27/03	149.97	6.08	143.89	NLPH	62	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
MW1	09/23/03	149.97	6.21	143.76	NLPH	<50	<50.0	<50	—	<0.50	<50	<50	<50
MW1	12/15/03	149.97	5.47	144.50	NLPH	<50	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.5
MW1	03/18/04	149.97	6.00	143.97	NLPH	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	06/23/04	149.97	6.22	143.75	NLPH	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	09/20/04	149.97	6.32	143.65	NLPH	93	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	12/21/04	149.97	6.14	143.83	NLPH	62	<50.0	—	<0.50	<0.50	1.7	<0.5	2.0
MW1	01/18/05	149.95	Well resurveyed in compliance with AB 2886 requirements.					—	<0.50	<0.50	0.5	<0.5	0.8
MW1	03/23/05	149.95	4.81	145.14	NLPH	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	06/22/05	149.95	6.03	143.92	NLPH	66	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	09/13/05	149.95	6.23	143.72	NLPH	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	11/28/05	149.95	6.15	143.80	NLPH	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW2	09/21/89	151.60	—	—	—	—	760	—	—	4.40	3.00	46.0	120.0
MW2	01/09/91	151.60	4.07	147.53	—	—	—	—	—	—	—	—	—
MW2	02/07/91	151.60	8.47	143.13	—	<50	260	—	—	6.60	<1.00	22.0	55.0
MW2	03/26/91	151.60	8.88	142.72	—	—	—	—	—	—	—	—	—
MW2	04/15/91	151.60	8.29	143.31	—	—	—	—	—	—	—	—	—
MW2	05/06/91	151.60	8.63	142.97	—	<50	200	—	—	2.30	<0.5	9.10	7.50
MW2	06/12/91	151.60	8.96	142.64	—	—	—	—	—	—	—	—	—
MW2	07/03/91	151.60	9.02	142.58	—	—	—	—	—	—	—	—	—
MW2	08/06/91	151.60	9.11	142.49	—	<50	69	—	—	0.57	<0.30	3.20	3.60
MW2	09/11/91	151.60	9.33	142.27	—	—	—	—	—	—	—	—	—
MW2	10/18/91	151.60	9.37	142.23	—	—	—	—	—	—	—	—	—
MW2	11/25/91	151.60	9.13	142.47	—	<50	360	—	—	0.63	<0.30	7.40	9.90
MW2	12/20/91	151.60	9.07	142.53	—	—	—	—	—	—	—	—	—
MW2	02/06/92	151.60	8.80	142.80	—	<50	580	—	—	0.91	8.70	8.70	11.0
MW2	05/12/92	151.60	7.84	143.76	—	<50	120	—	—	0.47	0.330	3.60	3.30
MW2	09/03/92	151.60	9.22	142.38	—	<50	98	—	—	14.0	<0.50	2.80	3.10
MW2	11/24/92	151.60	8.89	142.71	—	<50	97	—	—	<0.50	<0.50	3.20	2.70
MW2	02/11/93	151.60	7.35	144.25	—	110	650	—	—	2.50	0.75	44.0	47.0
MW2	05/06/93	151.60	8.68	142.92	—	62	230	—	—	0.58	<0.50	8.00	7.00
MW2	07/27/93	151.60	8.95	142.65	—	76	140	—	—	<0.50	<0.50	3.50	3.20
MW2	11/30/93	151.60	7.69	143.91	—	270	490	—	—	1.0	<0.50	36.0	36.0
MW2	02/22/94	151.60	7.05	144.55	—	—	—	—	—	—	—	—	—
MW2	05/26/94	151.60	8.70	142.90	—	220	360	—	—	0.68	<0.50	9.00	7.30
MW2	08/11/94	151.60	9.21	142.39	—	—	—	—	—	—	—	—	—
MW2	11/11/94	151.60	8.00	143.60	—	430	650	—	—	3.9	1.8	49	66
MW2	05/09/95	151.60	8.33	143.27	—	<50	160	5.5	—	1.2	0.58	1.6	0.97

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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW3	10/18/91	150.21	5.87	144.34	—	—	—	—	—	—	<0.30	0.88	0.40
MW3	11/25/91	150.21	5.58	144.63	—	<50	76	—	—	7.80	—	—	—
MW3	12/20/91	150.21	5.63	144.58	—	—	—	—	—	—	—	—	—
MW3	02/06/92	150.21	5.51	144.70	—	<50	110	—	—	6.50	<0.30	1.10	0.56
MW3	05/12/92	150.21	5.40	144.81	—	<50	32	—	—	4.20	<0.30	0.47	<0.30
MW3	09/03/92	150.21	5.63	144.58	—	<50	<50	—	—	9.30	<0.50	2.30	0.39
MW3	11/24/92	150.21	5.30	144.91	—	<50	120	—	—	30.0	<0.50	8.10	3.80
MW3	02/11/93	150.21	4.87	145.34	—	110	91	—	—	18.0	<0.50	7.00	6.80
MW3	05/06/93	150.21	5.41	144.80	—	57	<50	—	—	4.40	<0.50	1.20	0.98
MW3	07/27/93	150.21	5.37	144.84	—	<50	<50	—	—	1.70	<0.50	0.82	<0.50
MW3	11/30/93	150.21	4.53	145.68	—	<51	74	—	—	20.0	<0.50	5.00	4.00
MW3	02/22/94	150.21	4.65	145.56	—	—	—	—	—	—	—	—	—
MW3	05/26/94	150.21	5.51	144.70	—	<50	<50	—	—	9.70	<0.50	2.00	0.84
MW3	08/11/94	150.21	5.65	144.56	—	—	—	—	—	—	—	—	—
MW3	11/11/94	150.21	4.76	145.45	—	<50	<50	—	—	3.6	<0.50	0.58	<0.50
MW3	05/09/95	150.21	5.20	145.01	—	<50	53	2.1	—	7.4	<0.50	30	0.92
MW3	11/20/95	150.21	5.63	144.58	—	63	ND	11	—	4.4	0.76	1.2	0.70
MW3	05/23/96	150.21	4.94	145.27	—	100	53	21	—	11	ND	2.7	ND
MW3	11/11/96	150.21	5.48	144.73	—	ND	59	22	—	14	ND	0.76	0.58
MW3	07/19/99	150.21	5.39	144.82	—	130	60	7	—	2	ND	ND	ND
MW3	11/29/99	150.21	5.26	144.95	—	—	ND	—	ND	6	ND	ND	ND
MW3	02/08/00	150.21	5.00	145.21	—	<50	<50	<10	—	3.3	<0.30	0.52	<0.60
MW3	05/03/00	150.21	5.21	145.00	—	<50	<50	—	12	3	<2	<2	<1
MW3	08/10/00	150.21	6.17	144.04	—	71	<20	—	<5	<1	<1	<1	<1
MW3	11/15/00	150.21	6.17	144.04	—	74	<20	2.0	<5	0.31	0.20	<0.20	<0.60
MW3	02/28/01	150.21	5.77	144.44	—	<47	<20	4.3	—	3.2	<0.20	0.61	<0.60
MW3	06/01/01 a	150.21	—	—	—	—	—	—	—	—	—	—	—
MW3	08/15/01	150.21	6.25	143.96	—	—	<50	1.6	—	<0.20	<0.20	<0.20	<0.60
MW3	10/30/01	150.21	5.91	144.30	—	<19	<50	1.2	<2	0.76	<0.20	<0.20	<0.60
MW3	11/06/01	149.77	—	Well resurveyed.	—	—	—	—	—	—	—	—	—
MW3	01/29/02	149.77	5.82	143.95	—	<50.0	<50.0	—	8.3	1.70	0.50	<0.50	<0.50
MW3	04/17/02	149.77	6.07	143.70	—	<0.50	<0.50	—	6.60	<0.50	3.40	0.70	5.20
MW3	08/01/02	149.77	6.07	143.70	—	<0.50	<0.50	—	2.90	<0.50	<0.50	<0.50	<0.50
MW3	11/13/02	149.77	6.92	142.85	—	53	<0.50	—	<0.50	0.50	0.50	<0.50	<0.50
MW3	03/04/03	149.77	6.40	143.37	—	<52	235	—	9.00	34.50	4.50	9.90	14.80
MW3	06/27/03	149.77	6.45	143.32	NLPH	79	<50.0	4.5	3.10	<0.50	<0.5	<0.5	<0.5
MW3	09/23/03	149.77	6.59	143.18	NLPH	<50	<50.0	1.5	3.60	0.60	<0.5	<0.5	1.3
MW3	12/15/03	149.77	9.12	140.65	NLPH	<50	<50.0	1.0	1.30	<0.50	<0.5	<0.5	<0.5
MW3	03/18/04	149.77	6.35	143.42	NLPH	<50	<50.0	—	5.90	<0.50	<0.50	<0.5	<0.5
MW3	06/23/04	149.77	6.56	143.21	NLPH	<50	<50.0	—	2.70	<0.50	<0.5	<0.5	<0.5
MW3	09/20/04	149.77	6.63	143.14	NLPH	<50	<50.0	—	1.10	<0.50	<0.5	<0.5	<0.5
MW3	12/21/04	149.77	6.50	143.27	NLPH	51	74.4c	—	1.10	<0.50	<0.5	<0.5	0.9

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW3	01/18/05	149.86			Well resurveyed in compliance with AB 2886 requirements.								
MW3	03/23/05	149.86	5.68	144.18	NLPH	<50	<50.0	--	3.50	7.20	0.7	0.8	1.7
MW3	06/22/05	149.86	6.45	143.41	NLPH	<50	<50.0	--	2.60	<0.50	<0.5	<0.5	
MW3	09/13/05	149.86	6.61	143.25	NLPH	<50.0	<50.0	--	1.51	<0.50	<0.50	<0.50	
MW3	11/28/05	149.86	6.57	143.29	NLPH	<50.0	<50.0	--	0.630	<0.50	<0.50	<0.50	
MW4	09/21/89	151.10	--	--	--	--	<110	--	--	<0.50	<1.00	<1.00	<3.00
MW4	01/09/91	151.10	5.93	145.17	--	--	--	--	--	--	--	--	--
MW4	02/07/91	151.10	5.73	145.37	--	<50	<50	--	--	<0.50	<1.00	<1.00	<1.00
MW4	03/26/91	151.10	4.51	146.59	--	--	--	--	--	--	--	--	--
MW4	04/15/91	151.10	5.93	145.17	--	--	--	--	--	<0.50	<0.50	<0.50	<0.50
MW4	05/06/91	151.10	5.91	145.19	--	<50	<50	--	--	--	--	--	--
MW4	06/12/91	151.10	5.95	145.15	--	--	--	--	--	--	--	--	--
MW4	07/03/91	151.10	5.97	145.13	--	--	--	--	--	<0.30	<0.30	<0.30	<0.30
MW4	08/06/91	151.10	6.00	145.10	--	<50	<30	--	--	--	--	--	--
MW4	09/11/91	151.10	6.26	144.84	--	--	--	--	--	--	--	--	--
MW4	10/18/91	151.10	6.35	144.75	--	--	--	--	--	<0.30	<0.30	<0.30	<0.30
MW4	11/25/91	151.10	6.17	144.93	--	<50	48	--	--	--	--	--	--
MW4	12/20/91	151.10	6.12	144.98	--	--	--	--	--	<0.30	<0.30	<0.30	<0.30
MW4	02/06/92	151.10	5.98	145.12	--	<50	56	--	--	<0.30	<0.30	<0.30	<0.30
MW4	05/12/92	151.10	5.87	145.23	--	<50	<30	--	--	<0.30	<0.30	<0.30	<0.30
MW4	09/03/92	151.10	6.14	144.96	--	<50	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	11/24/92	151.10	5.82	145.28	--	<50	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	02/11/93	151.10	5.42	145.68	--	93	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	05/06/93	151.10	5.86	145.24	--	63	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	07/27/93	151.10	5.86	145.24	--	<50	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	11/30/93	151.10	5.00	146.10	--	<50	<50	--	--	<0.50	<0.50	<0.50	<0.50
MW4	02/22/94	151.10	5.19	145.91	--	--	--	--	--	<0.50	<0.50	<0.50	<0.50
MW4	05/26/94	151.10	5.96	145.14	--	<50	<50	--	--	--	--	--	--
MW4	08/11/94	151.10	6.14	144.96	--	--	--	--	--	<0.50	<0.50	<0.50	<0.50
MW4	11/11/94	151.10	5.24	145.86	--	<50	<500	--	--	<0.50	<0.50	<0.50	<0.50
MW4	05/09/95	151.10	5.66	145.44	--	<50	<50	7.1	--	<0.50	<0.50	<0.50	<0.50
MW4	11/20/95	151.10	6.08	145.02	--	ND	ND	140	--	ND	0.74	ND	ND
MW4	05/23/96	151.10	5.38	145.72	--	330	ND	3.3	--	ND	ND	ND	0.76
MW4	11/11/96	151.10	6.04	145.06	--	ND	ND	63	--	ND	ND	ND	ND
MW4	07/19/99	151.10	5.85	145.25	--	ND	ND	ND	--	ND	ND	ND	ND
MW4	11/29/99	151.10	5.80	145.30	--	--	ND	--	10	ND	ND	ND	ND
MW4	02/08/00	151.10	5.54	145.56	--	<50	<50	<10	--	<0.30	<0.30	<0.30	<0.60
MW4	05/03/00	151.10	5.73	145.37	--	<50	<50	--	<5	<1	<2	<2	<1
MW4	08/10/00	151.10	6.84	144.26	--	<47	<20	--	<5	<1	<1	<1	<1
MW4	11/15/00	151.10	7.02	144.08	--	<48	<20	0.98	<5	<0.20	<0.20	<0.20	<0.60
MW4	02/28/01	151.10	6.76	144.34	--	<48	<20	0.42	--	<0.20	<0.20	<0.20	<0.60

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TABLE 1A
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	11/11/94	150.47	8.29	142.18	—	<50	400b	—	—	<0.50	<0.50	<0.50	<0.50
MW6	05/09/95	150.47	8.57	141.90	—	<50	100	180	—	<0.50	<0.50	<0.50	<0.50
MW6	11/20/95	150.47	9.53	140.94	—	94	ND	320	—	ND	0.80	ND	0.64
MW6	05/23/96	150.47	8.20	142.27	—	160	ND	210	—	ND	ND	ND	ND
MW6	11/11/96	150.47	11.67	138.80	—	ND	ND	190	—	0.69	ND	ND	0.76
MW6	07/19/99	150.47	9.25	141.22	—	140	130	230	—	ND	ND	ND	ND
MW6	11/29/99	150.47	8.11	142.36	—	—	170	—	260	ND	ND	ND	ND
MW6	02/08/00	150.47	9.49	140.98	—	77	140	220	260	<0.30	<0.30	<0.30	<0.60
MW6	05/03/00	150.47	8.86	141.61	—	<50	87	—	130	<1	<2	<2	<1
MW6	08/10/00	150.47	9.76	140.71	—	<48	120	—	170	<1	<1	<1	<1
MW6	11/15/00	150.47	9.40	141.07	—	78	44	47	60	<0.20	<0.20	<0.20	<0.60
MW6	02/28/01	150.47	7.92	142.55	—	<48	140	220	200	<0.20	<0.20	<0.20	<0.60
MW6	06/01/01	150.47	9.36	141.11	—	<240	<50	66	54	<0.30	<0.30	<0.30	<0.60
MW6	08/15/01	150.47	9.72	140.75	—	—	<50	18	19	<0.20	<0.20	<0.20	<0.60
MW6	10/30/01	150.47	9.65	140.82	—	180	<50	6.1	7	0.39	<0.20	<0.20	<0.60
MW6	11/06/01	150.39	Well resurveyed.			—	—	—	—	—	—	—	—
MW6	01/29/02	150.39	8.52	141.87	—	<50.0	81.6	—	60.7	<0.50	<0.50	<0.50	<0.50
MW6	04/17/02	150.39	8.99	141.40	—	<50.0	192	—	165	<0.50	<0.50	<0.50	<0.50
MW6	08/01/02	150.39	9.38	141.01	—	<50.0	<50.0	—	31.4	<0.50	<0.50	<0.50	<0.50
MW6	11/13/02	150.39	9.69	140.70	—	54	<50.0	—	23.7	<0.50	<0.50	<0.50	<0.50
MW6	03/04/03	150.39	9.31	141.08	—	<53	<50.0	—	36.9	<0.50	<0.50	<0.50	<0.50
MW6	06/27/03	150.39	9.80	140.59	NLPH	69	71.3	54.8	40.3	<0.50	<0.5	<0.5	<0.5
MW6	09/23/03	150.39	10.13	140.26	NLPH	<50	<50.0	48.7	44.4	<0.50	<0.5	<0.5	<0.5
MW6	12/15/03	150.39	8.66	141.73	NLPH	153	61.2	52.4	67.1	<0.50	<0.5	<0.5	<0.5
MW6	03/18/04	150.39	9.10	141.29	NLPH	<50	<50.0	—	22.3	<0.50	<0.5	<0.5	<0.5
MW6	06/23/04	150.39	9.68	140.71	NLPH	<50	<50.0	34.2	—	<0.50	<0.5	<0.5	<0.5
MW6	09/20/04	150.39	10.14	140.25	NLPH	<50	<50.0	—	4.00	<0.50	<0.5	<0.5	<0.5
MW6	12/21/04	150.39	9.29	141.10	NLPH	1680	51.1c	—	7.60	<0.50	0.5	<0.5	0.6
MW6	01/18/05	150.42	Well resurveyed in compliance with AB 2886 requirements.					—	—	—	—	—	—
MW6	03/23/05	150.42	7.03	143.39	NLPH	<50	52.1	—	56.0	<0.50	<0.5	<0.5	0.9
MW6	06/22/05	150.42	9.30	141.12	NLPH	104	<50.0	—	11.8	<0.50	<0.5	<0.5	<0.5
MW6	09/13/05	150.42	9.79	140.63	NLPH	<50.0	<50.0	—	5.57	<0.50	<0.50	<0.50	<0.50
MW6	11/28/05	150.42	9.48	140.94	NLPH	<50.0	<50.0	—	2.50	<0.50	<0.50	<0.50	<0.50
MW7	04/15/91	150.88	6.90	143.98	—	—	—	—	—	—	—	—	—
MW7	05/06/91	150.88	8.66	142.22	—	<50	2,000	—	—	250.0	81.0	370.0	120.0
MW7	06/12/91	150.88	7.13	143.75	—	—	—	—	—	—	—	—	—
MW7	07/03/91	150.88	7.18	143.70	—	—	—	—	—	—	—	—	—
MW7	08/06/91	150.88	7.43	143.45	—	61	740	—	—	90.0	45.0	49.0	110.0
MW7	09/11/91	150.88	7.58	143.30	—	—	—	—	—	—	—	—	—
MW7	10/18/91	150.88	7.71	143.17	—	—	—	—	—	—	—	—	—
MW7	11/25/91	150.88	7.50	143.38	—	<50	2,000	—	—	140.0	93.0	10.0	62.0

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW7	12/20/91	150.88	7.50	143.38	—	—	—	—	—	—	—	—	—
MW7	02/06/92	150.88	7.26	143.62	—	<50	1,000	—	—	62.0	50.0	3.00	31.0
MW7	05/12/92	150.88	6.90	143.98	—	<50	850	—	—	130.0	130.0	18.0	77.0
MW7	09/03/92	150.88	7.00	143.88	—	—	—	—	—	—	—	—	—
MW7	11/24/92	150.88	6.72	144.16	—	69	360	—	—	73.0	17.0	7.30	24.0
MW7	02/11/93	150.88	5.65	145.23	—	60	240	—	—	51.0	2.40	16.0	19.0
MW7	05/06/93	150.88	6.35	144.53	—	70	670	—	—	71.0	9.60	25.0	15.0
MW7	07/27/93	150.88	6.54	144.34	—	89	100	—	—	21.0	<0.50	12.0	0.50
MW7	11/30/93	150.88	5.53	145.35	—	210	950	—	—	180.0	21.0	77.0	160.0
MW7	02/22/94	150.88	5.50	145.38	—	—	—	—	—	—	—	—	—
MW7	05/26/94	150.88	6.51	144.37	—	210	790	—	—	42.0	6.70	38.0	130.0
MW7	08/11/94	150.88	6.79	144.09	—	—	—	—	—	—	—	—	—
MW7	11/11/94	150.88	5.51	145.37	—	540	1,500	—	—	140	84	80	400
MW7	05/09/95	150.88	5.95	144.93	—	720	2,900	220	—	170	58	180	650
MW7	11/20/95	150.88	6.88	144.00	—	140	290	88	—	76	5.5	17	35
MW7	05/23/96	150.88	5.61	145.27	—	110	130	530	—	34	1.2	7.2	9.9
MW7	11/11/96	150.88	8.82	142.06	—	ND	150	—	5480	59	1.6	6.4	15
MW7	07/19/99	150.88	5.95	144.93	—	5500	9,600	25	—	93	ND	340	14
MW7	11/29/99	150.88	6.06	144.82	—	—	1,900	—	16	23	ND	22	3
MW7	02/08/00	150.88	5.61	145.27	—	450	790	16	—	16	2.5	9.2	5.7
MW7	05/03/00	150.88	5.93	144.95	—	470	810	—	12	20	<2	18	44
MW7	08/10/00	150.88	7.40	143.48	—	130	160	—	9	12	<1	<1	<1
MW7	11/15/00	150.88	7.41	143.47	—	51	140	7.1	9	22	0.65	0.40	3.5
MW7	02/28/01	150.88	6.54	144.34	—	100	140	11	—	12	0.53	0.69	3.7
MW7	06/01/01	150.88	7.10	143.78	—	170	56	<10	—	7.6	<0.30	0.76	2.7
MW7	08/15/01	150.88	7.25	143.63	—	—	120	4.8	—	22	0.38	0.31	3.5
MW7	10/30/01	150.88	6.99	143.89	—	34	82	3.9	4	15	0.38	0.44	2.8
MW7	11/06/01	150.85	Well resurveyed.			—	—	—	—	—	—	—	—
MW7	01/29/02	150.85	6.73	144.12	—	59	554	—	10.4	8.40	1.20	6.40	10.9
MW7	04/17/02	150.85	6.98	143.87	—	57	291	—	6.60	8.20	4.00	5.70	14.9
MW7	08/01/02	150.85	7.10	143.75	—	<51	167	—	4.50	11.60	<0.50	1.40	3.5
MW7	11/13/02	150.85	7.35	143.50	—	<50.0	215	—	<0.50	12.70	0.50	2.50	4.6
MW7	03/04/03	150.85	7.11	143.74	—	61	230	—	7.70	11.30	0.80	2.60	5
MW7	06/27/03	150.85	7.24	143.61	NLPH	93	219	4.3	2.20	10.7	<0.5	1.3	2.5
MW7	09/23/03	150.85	7.36	143.49	NLPH	<50	179	4.3	3.86	10.3	<0.5	0.5	1.2
MW7	12/15/03	150.85	6.65	144.20	NLPH	98	<50.0	2.6	3.20	2.70	<0.5	<0.5	0.9
MW7	03/18/04	150.85	7.10	143.75	NLPH	<50	96.0	—	9.10	2.40	<0.5	<0.5	<0.5
MW7	06/23/04	150.85	7.33	143.52	NLPH	<50	233	—	3.30	6.50	<0.5	0.8	1.0
MW7	09/20/04	150.85	7.36	143.49	NLPH	<50	168	—	2.00	7.10	<0.5	<0.5	0.8
MW7	12/21/04	150.85	7.26	143.59	NLPH	62	148c	—	1.90	3.30	<0.5	1.0	1.4
MW7	01/18/05	150.88	Well resurveyed in compliance with AB 2886 requirements.					—	—	—	—	—	—
MW7	03/23/05	150.88	6.05	144.83	NLPH	<50	67.5	—	5.00	3.00	0.5	2.4	1.5

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
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Well ID	Sampling Date	TOC (fmsl)	DTW (fbgs)	GW Elev. (feet)	SUBJ	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021B ($\mu\text{g/L}$)	MTBE 8260B ($\mu\text{g/L}$)	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW7	06/22/05	150.88	7.11	143.77	NLPH	<50	108	---	3.60	7.00	<0.5	1.4	1.4
MW7	09/13/05	150.88	7.41	143.47	NLPH	<50.0	91.7	---	2.69	3.53	<0.50	<0.50	<0.50
MW7	11/28/05	150.88	7.31	143.57	NLPH	<50.0	53.3	---	1.19	<0.50	<0.50	<0.50	<0.50

Notes: Data prior to Second Quarter 2003 provided by previous consultant.

TOC	=	Top of well casing elevation; datum is mean sea level.
SUBJ	=	Results of subjective evaluation.
NLPH	=	No liquid-phase hydrocarbons present in well.
sheen	=	Liquid-phase hydrocarbons present as a sheen.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Lead	=	Total lead.
Nitrate as N	=	Nitrate as nitrogen.
TN	=	Total nitrite/nitrate nitrogen.
DO	=	Dissolved oxygen.
fbgs	=	Feet below ground surface.
$\mu\text{g/L}$	=	Micrograms per liter.
---	=	Not sampled/Not measured.
<	=	Less than the stated laboratory method reporting limit.
ND	=	Not detected above the laboratory method reporting limit.
a	=	Well inaccessible.
b	=	Discrete peak.
c	=	Analyte detected in method blank; result is suspect.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
257 College Avenue,
Santa Rosa, California
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Well ID	Sampling Date	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	Nitrate as N ($\mu\text{g/L}$)	TN ($\mu\text{g/L}$)	DO (mg/L)
MW1	09/21/89 - 05/09/95	Not analyzed for these analytes.							21	--	--	--
MW1	11/20/95	--	--	--	--	--	--	--	--	--	--	--
MW1	05/23/96	--	--	--	--	--	--	--	--	--	--	--
MW1	11/11/96	--	--	--	--	--	--	--	--	--	--	1020
MW1	07/19/99	--	--	--	--	--	--	--	--	--	--	960
MW1	11/29/99	--	--	--	--	--	--	--	--	--	--	930
MW1	02/08/00	--	--	--	--	--	--	--	--	--	--	760
MW1	05/03/00	--	--	--	--	--	--	--	--	--	--	580
MW1	08/10/00	--	--	--	--	--	--	--	--	--	--	1380
MW1	11/15/00	--	--	--	--	--	--	--	--	--	--	380
MW1	02/28/01	--	--	--	--	--	--	--	--	--	--	50
MW1	06/01/01	--	--	--	--	--	--	--	--	--	--	470
MW1	08/15/01	--	--	--	--	--	--	--	--	--	--	--
MW1	10/30/01	--	--	--	<1	<1	--	--	--	--	--	--
MW1	01/29/02	--	--	--	<0.5	<0.5	2.3	--	--	--	--	--
MW1	04/17/02	--	--	--	<0.50	<0.50	11.1	--	--	--	--	--
MW1	08/01/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW1	11/13/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW1	03/04/03	--	--	--	<0.50	<0.50	5.4	--	--	--	--	--
MW1	06/27/03	--	--	--	<0.50	<0.50	5.6	--	--	--	--	--
MW1	09/23/03	--	--	--	<0.50	<0.50	1.90	--	--	--	--	--
MW1	12/15/03	--	--	--	<0.50	<0.50	2.30	--	--	--	--	--
MW1	03/18/04	--	--	--	<0.50	<0.50	3.40	--	--	--	--	--
MW1	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--	--	--	--
MW1	09/20/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW1	12/21/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW1	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	2.70	--	--	--	--
MW1	06/22/05	--	--	--	<0.50	<0.50	<0.50	1.40	--	--	--	--
MW1	09/13/05	--	--	--	<0.500	<0.500	<0.500	<0.500	--	--	--	--
MW1	11/28/05	--	--	--	<0.500	<0.500	<0.500	<0.500	--	--	--	--
MW2	09/21/89 - 05/09/95	Not analyzed for these analytes.							ND	--	--	--
MW2	11/20/95	--	--	--	--	--	--	--	--	--	--	--
MW2	05/23/96	--	--	--	--	--	--	--	--	--	--	--
MW2	11/11/96	--	--	--	--	--	--	--	--	--	--	920
MW2	07/19/99	--	--	--	--	--	ND	--	--	--	--	310
MW2	11/29/99	--	--	--	--	--	ND	--	--	--	--	570
MW2	02/08/00	--	--	--	--	--	ND	--	--	--	--	490
MW2	05/03/00	--	--	--	--	--	ND	--	--	--	--	550
MW2	08/10/00	--	--	--	--	--	ND	--	--	--	--	620
MW2	11/15/00	--	--	--	--	--	ND	--	--	--	--	--

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
257 College Avenue,
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Well ID	Sampling Date	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	Nitrate as N ($\mu\text{g/L}$)	TN ($\mu\text{g/L}$)	DO (mg/L)
MW2	02/28/01	—	—	—	—	—	—	—	—	—	—	580
MW2	06/01/01	—	—	—	—	—	—	—	—	—	—	500
MW2	08/15/01	—	—	—	—	—	ND	—	—	—	—	380
MW2	10/30/01	—	—	—	—	—	ND	—	—	—	—	—
MW2	01/29/02	—	—	—	<0.5	<0.5	ND	—	—	—	—	—
MW2	04/17/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	08/01/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	11/13/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	03/04/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	06/27/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	09/23/03 a	—	—	—	—	—	—	—	—	—	—	—
MW2	12/15/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW2	03/18/04	—	—	—	—	—	ND	—	—	—	—	—
MW2	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	—	—	—	—
MW2	09/20/04	—	—	—	<0.50	<0.50	<0.50	—	—	—	—	—
MW2	12/21/04	—	—	—	<0.50	<0.50	<0.50	—	—	—	—	—
MW2	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	—	—	—	—	—
MW2	06/22/05	—	—	—	—	<0.500	<0.500	<0.500	—	—	—	—
MW2	09/13/05	—	—	—	—	<0.500	<0.500	<0.500	—	—	—	—
MW2	11/28/05	—	—	—	—	<0.500	<0.500	<0.500	—	—	—	—
MW3	MW3 09/21/89 - 05/09/95 Not analyzed for these analytes.											
MW3	11/20/95	—	—	—	—	—	—	—	31	100	—	—
MW3	05/23/96	—	—	—	—	—	—	—	—	—	—	—
MW3	11/11/96	—	—	—	—	—	—	—	—	—	—	—
MW3	07/19/99	—	—	—	—	—	NDb	—	—	—	—	—
MW3	11/29/99	—	—	—	—	—	NDb	—	—	—	—	1030
MW3	02/08/00	—	—	—	—	—	—	—	—	—	—	1490
MW3	05/03/00	—	—	—	—	—	NDb	—	—	—	—	440
MW3	08/10/00	—	—	—	—	—	ND	—	—	—	—	590
MW3	11/15/00	—	—	—	—	—	ND	—	—	—	—	270
MW3	02/28/01	—	—	—	—	—	—	—	—	—	—	400
MW3	06/01/01	—	—	—	—	—	—	—	—	—	—	450
MW3	08/15/01	—	—	—	—	—	—	—	—	—	—	—
MW3	10/30/01	—	—	—	<1	<1	ND	—	—	—	—	—
MW3	01/29/02	—	—	—	<0.5	<0.5	ND	—	—	—	—	—
MW3	04/17/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW3	08/01/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW3	11/13/02	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW3	03/04/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—
MW3	06/27/03	—	—	—	<0.50	<0.50	ND	—	—	—	—	—

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
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Well ID	Sampling Date	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	Nitrate as N ($\mu\text{g/L}$)	TN ($\mu\text{g/L}$)	DO (mg/L)
MW3	09/23/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW3	12/15/03	--	--	--	<0.50	<0.50	ND	--	<0.50	--	--	--
MW3	03/18/04	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW3	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--	--	--	--
MW3	09/20/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW3	12/21/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW3	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	--	--
MW3	06/22/05	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW3	09/13/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	--
MW3	11/28/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	--
MW4	09/21/89 - 05/09/95	Not analyzed for these analytes.										
MW4	11/20/95	--	--	--	--	--	--	--	ND	--	--	--
MW4	05/23/96	--	--	--	--	--	--	--	--	--	--	--
MW4	11/11/96	--	--	--	--	--	--	--	--	--	--	--
MW4	07/19/99	--	--	--	--	--	ND	--	--	--	--	--
MW4	11/29/99	--	--	--	--	--	ND	--	--	--	--	1260
MW4	02/08/00	--	--	--	--	--	ND	--	--	--	--	1380
MW4	05/03/00	--	--	--	--	--	ND	--	--	--	--	700
MW4	08/10/00	--	--	--	--	--	ND	--	--	--	--	640
MW4	11/15/00	--	--	--	--	--	ND	--	--	--	--	580
MW4	02/28/01	--	--	--	--	--	--	--	--	--	--	350
MW4	06/01/01	--	--	--	--	--	--	--	--	--	--	850
MW4	08/15/01	--	--	--	--	--	--	--	--	--	--	520
MW4	10/30/01	--	--	--	<1	<1	ND	--	--	--	--	--
MW4	01/29/02	--	--	--	<0.5	<0.5	ND	--	--	--	--	--
MW4	04/17/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	08/01/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	11/13/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	03/04/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	06/27/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	09/23/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	12/15/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	03/18/04	--	--	--	<0.50	<0.50	ND	--	--	--	--	--
MW4	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--	--	--	--
MW4	09/20/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW4	12/21/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW4	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	--	--
MW4	06/22/05	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	--
MW4	09/13/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	--
MW4	11/28/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	--

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA

Former Mobil Service Station SR-OSA
257 College Avenue,
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(ug/L or mg/L)												
Well ID	Sampling Date	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDB (ug/L)	1,2-DCA (ug/L)	DIPE (ug/L)	Ethanol (ug/L)	Lead (ug/L)	Nitrate as N (ug/L)	TN (ug/L)	DO (mg/L)
MW6	04/15/91 - 05/09/95	Not analyzed for these analytes.										
MW6	11/20/95	--	--	--	--	--	--	--	7.8	--	--	
MW6	05/23/96	--	--	--	--	--	--	--	--	--	--	
MW6	11/11/96	--	--	--	--	--	ND	--	--	--	--	
MW6	07/19/99	--	--	--	--	--	1f	--	--	--	870	
MW6	11/29/99	--	--	--	--	--	--	--	--	--	670	
MW6	02/08/00	--	--	--	--	--	ND	--	--	--	470	
MW6	05/03/00	--	--	--	--	--	ND	--	--	--	680	
MW6	08/10/00	--	--	--	--	--	ND	--	--	--	560	
MW6	11/15/00	--	--	--	--	--	--	--	--	--	900	
MW6	02/28/01	--	--	--	--	--	--	--	--	--	700	
MW6	06/01/01	--	--	--	--	--	--	--	--	--	460	
MW6	08/15/01	--	--	--	--	--	--	--	--	--	--	
MW6	10/30/01	--	--	--	<1	<1	ND	--	--	--	--	
MW6	01/29/02	--	--	--	<0.5	<0.5	ND	--	--	--	--	
MW6	04/17/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	08/01/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	11/13/02	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	03/04/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	06/27/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	09/23/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	12/15/03	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	03/18/04	--	--	--	<0.50	<0.50	ND	--	--	--	--	
MW6	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	--	--	--	
MW6	09/20/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	
MW6	12/21/04	--	--	--	<0.50	<0.50	<0.50	--	--	--	--	
MW6	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	--	--	--	--	
MW6	06/22/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	
MW6	09/13/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	
MW6	11/28/05	--	--	--	<0.500	<0.500	<0.500	--	--	--	--	
MW7	04/15/91 - 05/09/95	Not analyzed for these analytes.										
MW7	11/20/95	--	--	--	--	--	--	--	ND	--	--	
MW7	05/23/96	--	--	--	--	--	--	--	--	--	--	
MW7	11/11/96	--	--	--	--	--	ND	--	--	--	--	
MW7	07/19/99	--	--	--	--	--	ND	--	--	--	900	
MW7	11/29/99	--	--	--	--	--	ND	--	--	--	890	
MW7	02/08/00	--	--	--	--	--	--	--	--	--	590	
MW7	05/03/00	--	--	--	--	--	ND	--	--	--	--	
MW7	08/10/00	--	--	--	--	--	ND	--	--	--	640	

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
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Well ID	Sampling Date	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Ethanol ($\mu\text{g/L}$)	Lead ($\mu\text{g/L}$)	Nitrate as N ($\mu\text{g/L}$)	TN ($\mu\text{g/L}$)	DO (mg/L)
MW7	11/15/00	---	---	---	---	---	ND	---	---	---	---	1110
MW7	02/28/01	---	---	---	---	---	---	---	---	---	<30	810
MW7	06/01/01	---	---	---	---	---	---	---	---	---	550	390
MW7	08/15/01	---	---	---	---	---	---	---	---	---	<40	---
MW7	10/30/01	---	---	---	---	<1	ND	---	---	---	---	---
MW7	01/29/02	---	---	---	<0.5	<0.5	ND	---	---	---	---	---
MW7	04/17/02	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	08/01/02	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	11/13/02	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	03/04/03	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	06/27/03	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	09/23/03	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	12/15/03	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	03/18/04	---	---	---	<0.50	<0.50	ND	---	---	---	---	---
MW7	06/23/04	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	<50.0	---	---	---	---
MW7	09/20/04	---	---	---	<0.50	<0.50	<0.50	---	---	---	---	---
MW7	12/21/04	---	---	---	<0.50	<0.50	<0.50	---	---	---	---	---
MW7	03/23/05	<0.50	<0.50	<10.0	<0.50	<0.50	<0.50	---	---	---	---	---
MW7	06/22/05	---	---	---	<0.500	<0.500	<0.500	---	---	---	---	---
MW7	09/13/05	---	---	---	<0.500	<0.500	<0.500	---	---	---	---	---
MW7	11/28/05	---	---	---	<0.500	<0.500	<0.500	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Mobil Service Station SR-OSA
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Santa Rosa, California
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Notes:	Data prior to Second Quarter 2003 provided by previous consultant.
TOC	= Top of well casing elevation; datum is mean sea level.
SUBJ	= Results of subjective evaluation.
NLPH	= No liquid-phase hydrocarbons present in well.
sheen	= Liquid-phase hydrocarbons present as a sheen.
DTW	= Depth to water.
GW Elev.	= Groundwater elevation; datum is mean sea level.
TPHd	= Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	= Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
BTEX	= Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE 8021	= Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	= Methyl tertiary butyl ether analyzed using EPA Method 8260B.
ETBE	= Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	= Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	= Tertiary butyl alcohol analyzed using EPA Method 8260B.
EDB	= 1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	= 1,2-dichloroethane.
DIPE	= Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	= Ethanol analyzed using EPA Method 8260B.
Lead	= Total lead.
Nitrate as N	= Nitrate as nitrogen.
TN	= Total nitrite/nitrate nitrogen.
DO	= Dissolved oxygen.
fbs	= Feet below ground surface.
µg/L	= Micrograms per liter.
--	= Not sampled/Not measured.
<	= Less than the stated laboratory method reporting limit.
ND	= Not detected above the laboratory method reporting limit.
a	= Well inaccessible.
b	= Discrete peak.
c	= Analyte detected in method blank; result is suspect.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Mobil Service Station SR-OSA
257 College Avenue,
Santa Rosa, California
(Page 1 of 1)

Well ID	Date Well Installed	TOC Elev. (fmsl)	Borehole Diameter (inches)	Total Depth of Boring (fbgs)	Well Depth (fbgs)	Well Casing Diameter (inches)	Well Casing Material	Screened Interval (fbgs)	Slot Size (inches)	Filter Pack Interval (fbgs)	Filter Pack Material
MW1	08/30/89	149.95	8	20	14	2	PVC	4.3-13.7	0.020	3-14	Sand
MW2	08/30/89	151.18	8	20	15	2	PVC	4.3-14.8	0.020	3-15	Sand
MW3	08/30/89	149.86	8	20	14	2	PVC	4.2-13.7	0.020	3-14	Sand
MW4	08/30/89	150.84	8	20	15	2	PVC	4.3-15	0.020	3-15	Sand
MW6	04/10/91	150.42	8	21.5	20.8	2	PVC	5.53-19.79	0.010	3-21.5	Sand
MW7	04/10/91	150.88	12	21.5	20.25	4	PVC	4.79-19.54	0.020	3-21.5	Sand

Notes:

TOC Elev. = Top of well casing elevation; datum is mean sea level.
 fbs = Feet below ground surface.
 fmsl = Feet above mean sea level.

TABLE 3

1999-2005 GROUNDWATER ANALYTICAL RESULTS COMPARED WITH REGIONAL BOARD WATER QUALITY OBJECTIVES
 Former Mobil Service Station SR-OSA
 257 College Avenue,
 Santa Rosa, California
 (Page 1 of 3)

Well ID	Sampling Date	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021E	MTBE 8260E	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW1	07/19/99	75	ND	ND	--	ND	ND	ND	ND
MW1	11/29/99	—	ND	NDb	--	ND	ND	ND	ND
MW1	02/08/00	<50	<50	<10	--	<0.30	<0.30	<0.30	<0.60
MW1	05/03/00	<50	<50	—	<5	<1	<2	<2	<1
MW1	08/10/00	<47	<20	—	<5	<1	<1	<1	<1
MW1	11/15/00	<47	<20	<0.30	<5	<0.20	0.23	<0.20	<0.60
MW1	02/28/01	<47	<20	<0.30	--	<0.20	<0.20	<0.20	<0.60
MW1	06/01/01	<480	<50	<10	--	<0.30	<0.30	<0.30	<0.60
MW1	08/15/01	—	<50	<0.30	--	<0.20	<0.20	<0.20	<0.60
MW1	10/30/01	25	<50	0.65	<2	1.1	0.20	<0.20	<0.60
MW1	01/29/02	<50.0	<50.0	—	<0.5	<0.50	<0.50	<0.50	<0.50
MW1	04/17/02	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	08/01/02	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	11/13/02	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
MW1	03/04/03	<50.0	<50.0	<0.50	—	<0.50	<0.50	<0.50	<0.50
MW1	06/27/03	62	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
MW1	09/23/03	<50	<50.0	<50	--	<0.50	<50	<50	<50
MW1	12/15/03	<50	<50.0	<0.5	--	<0.50	<0.5	<0.5	<0.5
MW1	03/18/04	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	06/23/04	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	09/20/04	93	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	12/21/04	62	<50.0	—	<0.50	<0.50	1.7	<0.5	2.0
MW1	03/23/05	<50	<50.0	—	<0.50	<0.50	0.5	<0.5	0.8
MW1	06/22/05	66	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW1	09/13/05	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW1	11/28/05	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW2	07/19/99	76	ND	15	—	ND	ND	ND	ND
MW2	11/29/99	—	110	—	29	ND	ND	4	1
MW2	02/08/00	110	170	16	—	<0.30	2.0	3.9	1.4
MW2	05/03/00	84	180	—	10	<1	<2	2	<1
MW2	08/10/00	76	96	—	16	<1	<1	1	<1
MW2	11/15/00	120	120	25	30	<1.0	0.32	2.5	0.82
MW2	02/28/01	200	99	16	—	<0.20	<0.20	1.3	<0.60
MW2	06/01/01	240	86	18	—	<0.30	<0.30	0.36	<0.60
MW2	08/15/01	—	130	16	<2	0.61	0.23	0.29	<0.60
MW2	10/30/01	920	1,300	14	13	<5.0	<1.0	28	1.8
MW2	01/29/02	201	804	—	7.40	2.00	1.40	2.20	3.70
MW2	04/17/02	119	228	—	4.60	1.10	0.60	<0.50	1.90
MW2	08/01/02	51	154	—	14.50	0.80	<0.50	<0.50	0.70
MW2	11/13/02	136	175	—	16.10	0.60	0.50	1.60	0.50
MW2	03/04/03	264	321	—	4.40	1.50	0.90	1.00	0.90
MW2	06/27/03	<50	<50.0	2.8	2.00	0.50	<0.5	<0.5	0.9
MW2	09/23/03 a	—	—	—	—	—	—	—	—
MW2	12/15/03	121	60.0	3.4	4.60	0.70	<0.5	<0.5	<0.5
MW2	03/18/04	163	239	—	2.80	2.50	<0.5	1.1	1.2
MW2	06/23/04	<50	<50.0	—	3.00	<0.50	<0.5	<0.5	<0.5
MW2	09/20/04	<50	<50.0	—	6.60	<0.50	<0.5	<0.5	<0.5
MW2	12/21/04	111	<50.0	—	5.80	<0.50	1.5	<0.5	1.6
MW2	03/23/05	<50	51.0	—	1.40	0.60	0.9	<0.5	1.0
MW2	06/22/05	120	50.4	—	1.20	<0.50	<0.5	<0.5	<0.5
MW2	09/13/05	<50.0	<50.0	—	2.24	<0.50	<0.50	<0.50	<0.50
MW2	11/28/05	<50.0	57.9	—	2.23	<0.50	<0.50	<0.50	<0.50
MW3	07/19/99	130	60	7	—	2	ND	ND	ND
MW3	11/29/99	—	ND	—	ND	6	ND	ND	ND
MW3	02/08/00	<50	<50	<10	—	3.3	<0.30	0.52	<0.60
MW3	05/03/00	<50	<50	—	12	3	<2	<2	<1
MW3	08/10/00	71	<20	—	<5	<1	<1	<1	<1
MW3	11/15/00	74	<20	2.0	<5	0.31	0.20	<0.20	<0.60
MW3	02/28/01	<47	<20	4.3	—	3.2	<0.20	0.61	<0.60
MW3	06/01/01 a	—	—	—	—	—	—	—	—
MW3	08/15/01	—	<50	1.6	—	<0.20	<0.20	<0.20	<0.60
MW3	10/30/01	<19	<50	1.2	<2	0.76	<0.20	<0.20	<0.60

TABLE 3

1999-2005 GROUNDWATER ANALYTICAL RESULTS COMPARED WITH REGIONAL BOARD WATER QUALITY OBJECTIVES

Former Mobil Service Station SR-OSA

257 College Avenue,

Santa Rosa, California

(Page 2 of 3)

Well ID	Sampling Date	TPHd ($\mu\text{g/L}$)	TPHg ($\mu\text{g/L}$)	MTBE 8021E	MTBE 8260E	B ($\mu\text{g/L}$)	T ($\mu\text{g/L}$)	E ($\mu\text{g/L}$)	X ($\mu\text{g/L}$)
MW3	01/29/02	<50.0	<50.0	—	8.3	1.70	0.50	<0.50	<0.50
MW3	04/17/02	<0.50	<0.50	—	6.60	<0.50	3.40	0.70	5.20
MW3	08/01/02	<0.50	<0.50	—	2.90	<0.50	<0.50	<0.50	<0.50
MW3	11/13/02	53	<0.50	—	<0.50	0.50	0.50	<0.50	<0.50
MW3	03/04/03	<52	235	—	9.00	34.50	4.50	9.90	14.80
MW3	06/27/03	79	<50.0	4.5	3.10	<0.50	<0.5	<0.5	<0.5
MW3	09/23/03	<50	<50.0	1.5	3.60	0.60	<0.5	<0.5	1.3
MW3	12/15/03	<50	<50.0	1.0	1.30	<0.50	<0.5	<0.5	<0.5
MW3	03/18/04	<50	<50.0	—	5.90	<0.50	<0.50	<0.5	<0.5
MW3	06/23/04	<50	<50.0	—	2.70	<0.50	<0.5	<0.5	<0.5
MW3	09/20/04	<50	<50.0	—	1.10	<0.50	<0.5	<0.5	<0.5
MW3	12/21/04	51	74.4c	—	1.10	<0.50	<0.5	<0.5	0.9
MW3	03/23/05	<50	<50.0	—	3.50	7.20	0.7	0.8	1.7
MW3	06/22/05	<50	<50.0	—	2.60	<0.50	<0.5	<0.5	<0.5
MW3	09/13/05	<50.0	<50.0	—	1.51	<0.50	<0.50	<0.50	<0.50
MW3	11/28/05	<50.0	<50.0	—	0.630	<0.50	<0.50	<0.50	<0.50
MW4	07/19/99	ND	ND	ND	—	ND	ND	ND	ND
MW4	11/29/99	—	ND	—	10	ND	ND	ND	ND
MW4	02/08/00	<50	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW4	05/03/00	<50	<50	—	<5	<1	<2	<2	<1
MW4	08/10/00	<47	<20	—	<5	<1	<1	<1	<1
MW4	11/15/00	<48	<20	0.98	<5	<0.20	<0.20	<0.20	<0.60
MW4	02/28/01	<48	<20	0.42	—	<0.20	<0.20	<0.20	<0.60
MW4	06/01/01	<100	<50	<10	—	<0.30	<0.30	<0.30	<0.60
MW4	08/15/01	—	<50	<0.30	—	<0.20	<0.20	<0.20	<0.60
MW4	10/30/01	<19	<50	0.90	<2	0.57	<0.20	<0.20	<0.60
MW4	01/29/02	<50.0	<50.0	—	0.6	<0.50	0.50	<0.50	<0.50
MW4	04/17/02	<50.0	<50.0	—	<0.50	<0.50	0.90	<0.50	0.90
MW4	08/01/02	<50.0	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	11/13/02	61	<50.0	—	<0.50	<0.50	<0.50	<0.50	<0.50
MW4	03/04/03	<53	135	—	<0.50	29.1	3.1	6.8	9.5
MW4	06/27/03	67	<50	0.6	<0.50	<0.50	<0.5	<0.5	<0.5
MW4	09/23/03	<50	<50.0	—	<0.5	<0.50	<0.5	<0.5	0.7
MW4	12/15/03	108	<50.0	<0.5	—	<0.50	<0.5	<0.5	<0.7
MW4	03/18/04	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW4	06/23/04	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW4	09/20/04	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	0.8
MW4	12/21/04	79	52.3c	—	<0.50	<0.50	<0.5	<0.5	0.7
MW4	03/23/05	<50	<50.0	—	<0.50	<0.50	0.5	<0.5	0.7
MW4	06/22/00	<50	<50.0	—	<0.50	<0.50	<0.5	<0.5	<0.5
MW4	09/13/05	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW4	11/28/05	<50.0	<50.0	—	<0.500	<0.50	<0.50	<0.50	<0.50
MW6	07/19/99	140	130	230	—	ND	ND	ND	ND
MW6	11/29/99	—	170	—	260	ND	ND	ND	ND
MW6	02/08/00	77	140	220	260	<0.30	<0.30	<0.30	<0.60
MW6	05/03/00	<50	87	—	130	<1	<2	<2	<1
MW6	08/10/00	<48	120	—	170	<1	<1	<1	<1
MW6	11/15/00	78	44	47	60	<0.20	<0.20	<0.20	<0.60
MW6	02/28/01	<48	140	220	200	<0.20	<0.20	<0.20	<0.60
MW6	06/01/01	<240	<50	66	54	<0.30	<0.30	<0.30	<0.60
MW6	08/15/01	—	<50	18	19	<0.20	<0.20	<0.20	<0.60
MW6	10/30/01	180	<50	6.1	7	0.39	<0.20	<0.20	<0.60
MW6	01/29/02	<50.0	81.6	—	60.7	<0.50	<0.50	<0.50	<0.50
MW6	04/17/02	<50.0	192	—	165	<0.50	<0.50	<0.50	<0.50
MW6	08/01/02	<50.0	<50.0	—	31.4	<0.50	<0.50	<0.50	<0.50
MW6	11/13/02	54	<50.0	—	23.7	<0.50	<0.50	<0.50	<0.50
MW6	03/04/03	<53	<50.0	—	36.9	<0.50	<0.50	<0.50	<0.50
MW6	06/27/03	69	71.3	54.8	40.3	<0.50	<0.5	<0.5	<0.5
MW6	09/23/03	<50	<50.0	48.7	44.4	<0.50	<0.5	<0.5	<0.5
MW6	12/15/03	153	61.2	52.4	67.1	<0.50	<0.5	<0.5	<0.5
MW6	03/18/04	<50	<50.0	—	22.3	<0.50	<0.5	<0.5	<0.5
MW6	06/23/04	<50	<50.0	34.2	—	<0.50	<0.5	<0.5	<0.5

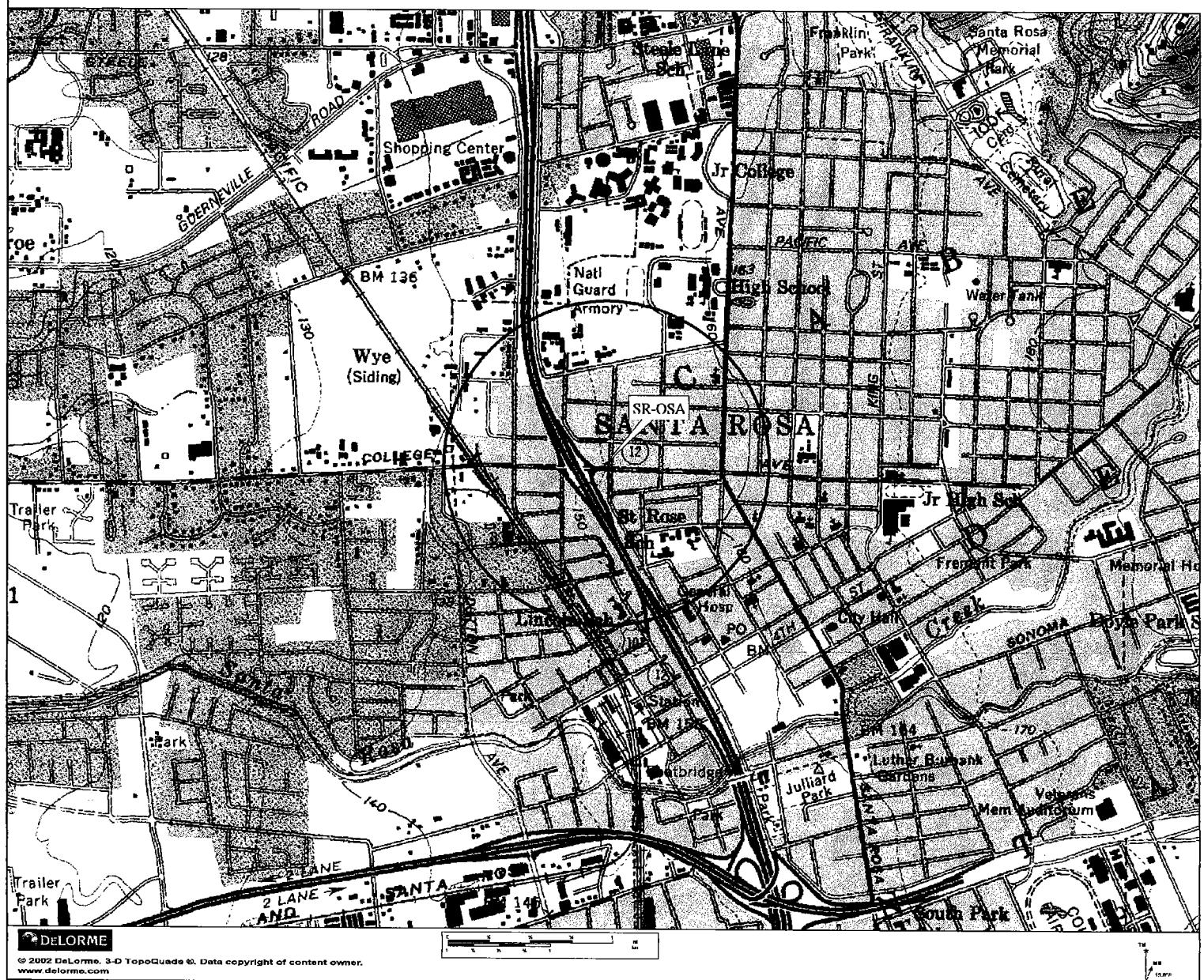
TABLE 3
1999-2005 GROUNDWATER ANALYTICAL RESULTS COMPARED WITH REGIONAL BOARD WATER QUALITY OBJECTIVES
Former Mobil Service Station SR-OSA
257 College Avenue,
Santa Rosa, California
(Page 3 of 3)

Well ID	Sampling Date	TPHd (µg/L)	TPHg (µg/L)	MTBE 8021E	MTBE 8260E	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	09/20/04	<50	<50.0	—	4.00	<0.50	<0.5	<0.5	<0.5
MW6	12/21/04	1,680	51.1c	—	7.60	<0.50	0.5	<0.5	0.6
MW6	03/23/05	<50	52.1	—	56.0	<0.50	<0.5	<0.5	0.9
MW6	06/22/05	104	<50.0	—	11.8	<0.50	<0.5	<0.5	<0.5
MW6	09/13/05	<50.0	<50.0	—	5.57	<0.50	<0.50	<0.50	<0.50
MW6	11/28/05	<50.0	<50.0	—	2.50	<0.50	<0.50	<0.50	<0.50
MW7	07/19/99	5,500	9,600	25	—	93	ND	340	14
MW7	11/29/99	—	1,900	—	16	23	ND	22	3
MW7	02/08/00	450	790	16	—	16	2.5	9.2	5.7
MW7	05/03/00	470	810	—	12	20	<2	18	44
MW7	08/10/00	130	160	—	9	12	<1	<1	<1
MW7	11/15/00	51	140	7.1	9	22	0.65	0.40	3.5
MW7	02/28/01	100	140	11	—	12	0.53	0.69	3.7
MW7	06/01/01	170	56	<10	—	7.6	<0.30	0.76	2.7
MW7	08/15/01	—	120	4.8	—	22	0.38	0.31	3.5
MW7	10/30/01	34	82	3.9	4	15	0.38	0.44	2.8
MW7	01/29/02	59	554	—	10.4	8.40	1.20	6.40	10.9
MW7	04/17/02	57	291	—	6.60	8.20	4.00	5.70	14.9
MW7	08/01/02	<51	167	—	4.50	11.60	<0.50	1.40	3.5
MW7	11/13/02	<50.0	215	—	<0.50	12.70	0.50	2.50	4.6
MW7	03/04/03	61	230	—	7.70	11.30	0.80	2.60	5
MW7	06/27/03	93	219	4.3	2.20	10.7	<0.5	1.3	2.5
MW7	09/23/03	<50	179	4.3	3.86	10.3	<0.5	0.5	1.2
MW7	12/15/03	98	<50.0	2.6	3.20	2.70	<0.5	<0.5	0.9
MW7	03/18/04	<50	96.0	—	9.10	2.40	<0.5	<0.5	<0.5
MW7	06/23/04	<50	233	—	3.30	6.50	<0.5	0.8	1.0
MW7	09/20/04	<50	168	—	2.00	7.10	<0.5	<0.5	0.8
MW7	12/21/04	62	148c	—	1.90	3.30	<0.5	1.0	1.4
MW7	03/23/05	<50	67.5	—	5.00	3.00	0.5	2.4	1.5
MW7	06/22/05	<50	108	—	3.60	7.00	<0.5	1.4	1.4
MW7	09/13/05	<50.0	91.7	—	2.69	3.53	<0.50	<0.50	<0.50
MW7	11/28/05	<50.0	53.3	—	1.19	<0.50	<0.50	<0.50	<0.50

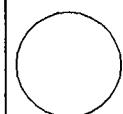
Regional Board Water Quality Objective	50	50	5	5	0.15	40	30	20
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Notes: Data prior to Second Quarter 2003 provided by previous consultant.

TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015 (modified).
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
—	=	Not sampled/Not measured.
<	=	Less than the stated laboratory method reporting limit.
ND	=	Not detected above the laboratory method reporting limit.
a	=	Well inaccessible.
b	=	Discrete peak.
c	=	Analyte detected in method blank; result is suspect.

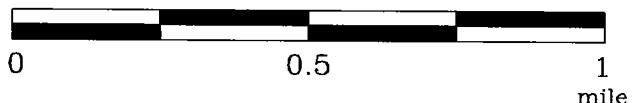


EXPLANATION



2,000 ft. radius circle

APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
DeLorme 3-D TopoQuads

SITE VICINITY MAP

Former Mobil Service Station SR-OSA
257 College Avenue
Santa Rosa, California



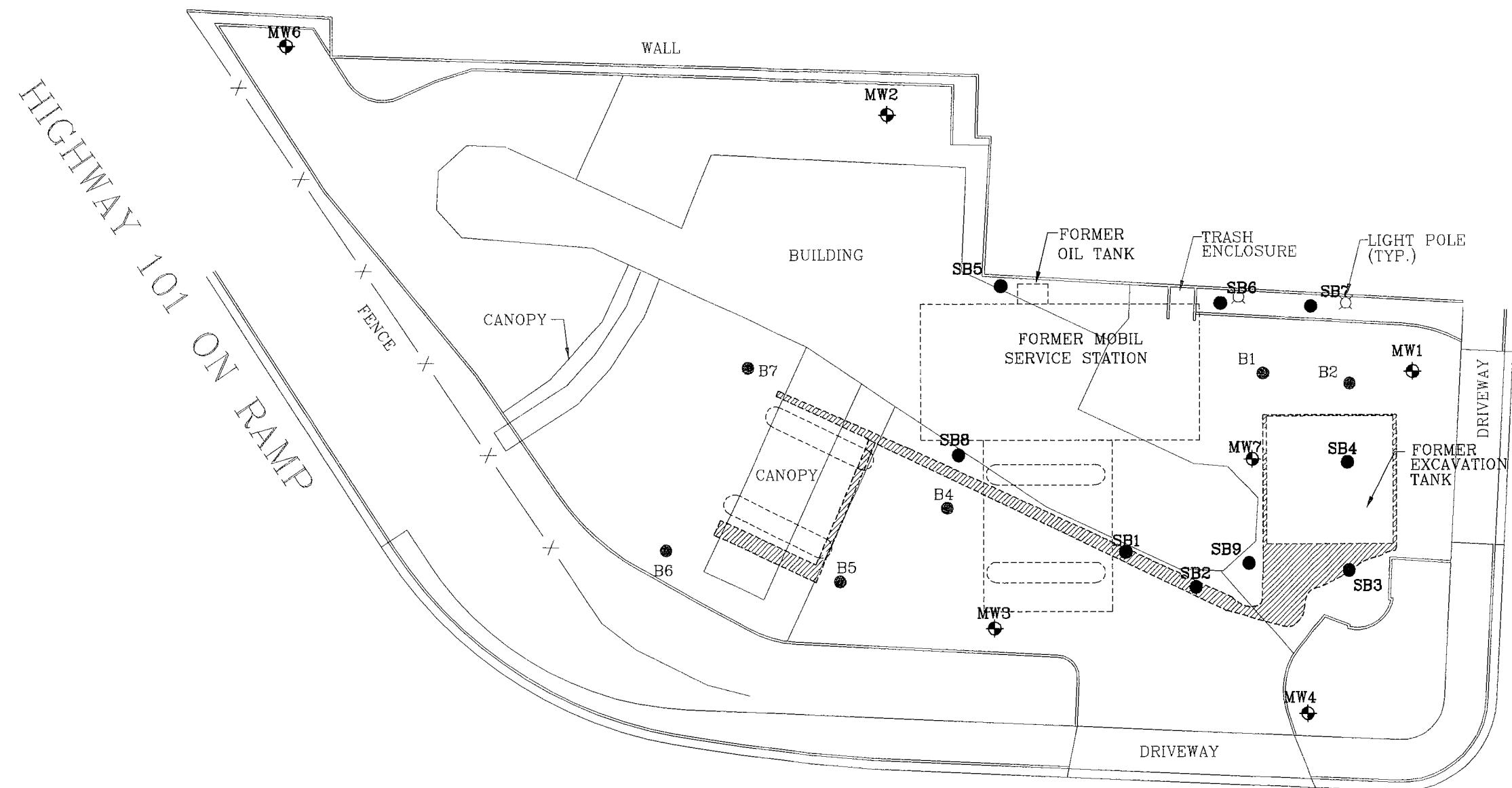
PROJECT NO.

2592

PLATE

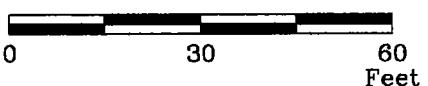
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MORGAN STREET



COLLEGE AVENUE

APPROXIMATE SCALE



FN 25920002_SP



GENERALIZED SITE PLAN

FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

- SB9 ● Soil Boring By Others
- MW7 ● Groundwater Monitoring Well
- B7 ● Soil Boring

■ Area of Excavation
○ Former Pump Islands

PROJECT NO.

2592

PLATE
2

Analyte Concentrations in mg/kg

-5 FT Sample Depth

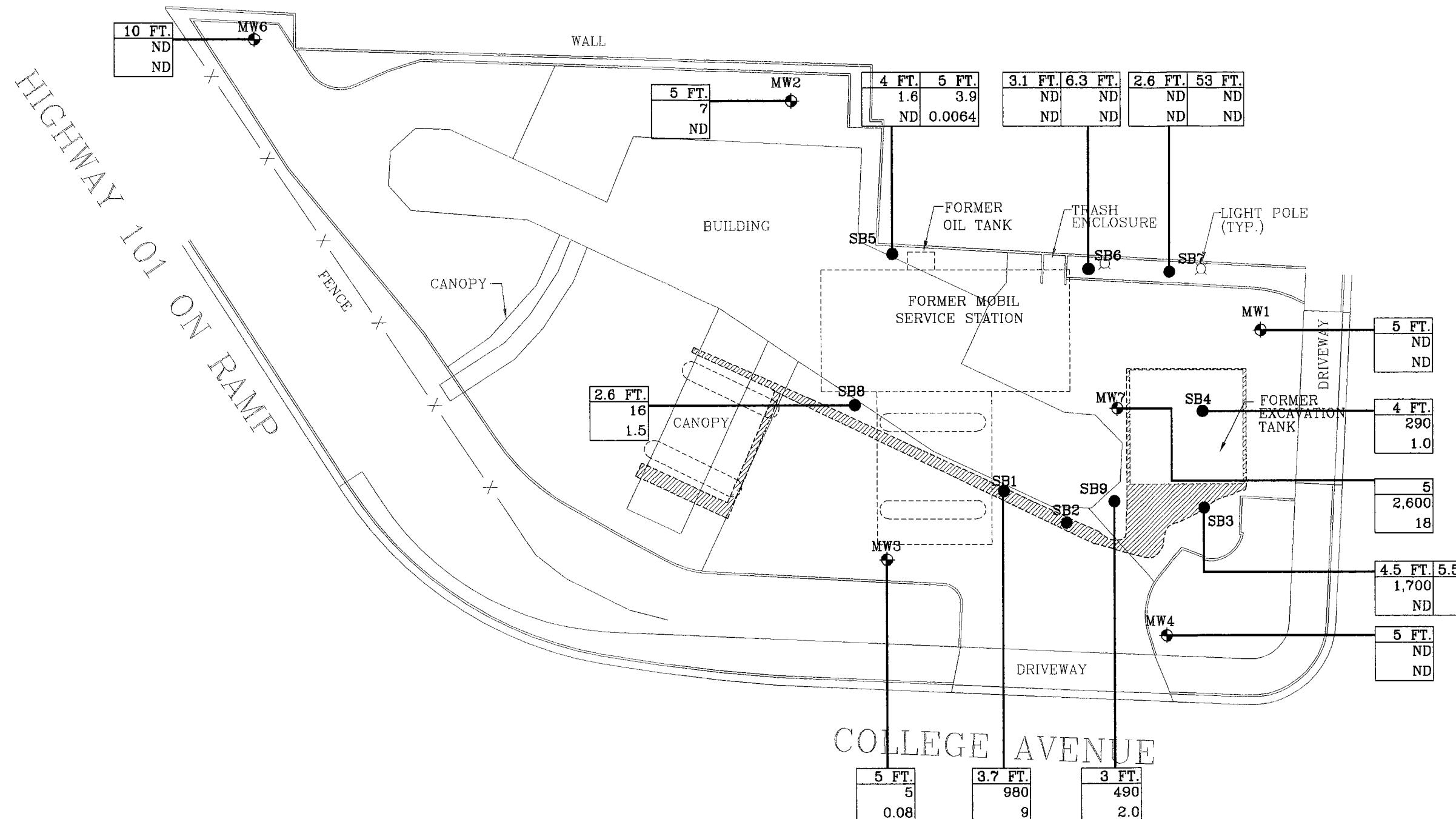
2,600 Total Petroleum Hydrocarbons
as gasoline

18 Benzene

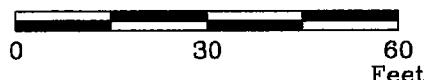
< Less Than the Stated Laboratory

Reporting Limit

mg/kg Milligrams per Kilogram



APPROXIMATE SCALE



FN 25920002_SP



SOIL ANALYTICAL RESULTS FROM 1989 THROUGH 1992

FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

MW7

• Groundwater Monitoring Well

SB9

• Soil Boring By Others

Area of Excavation

Former Pump Islands

PROJECT NO.

2592

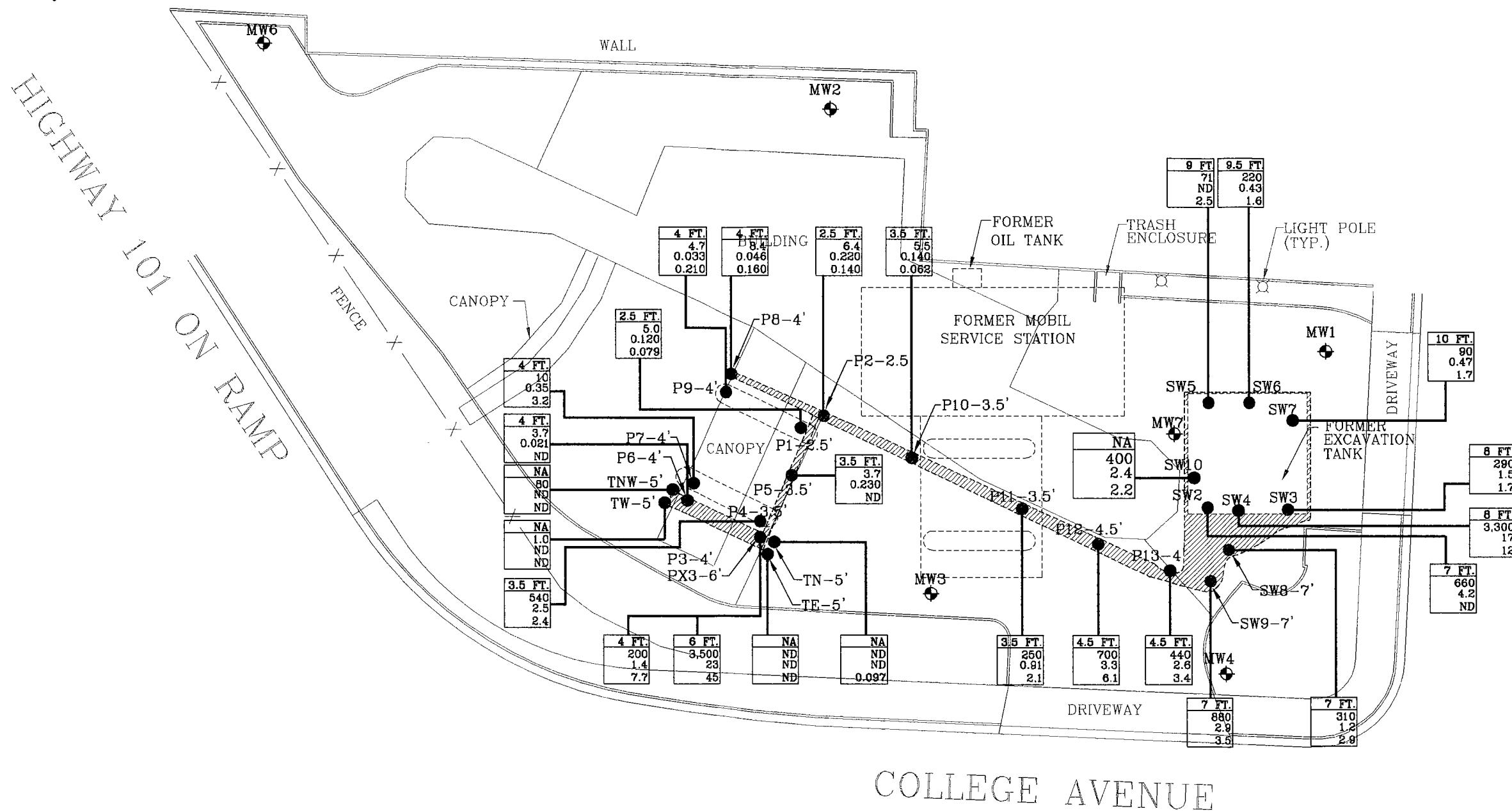
PLATE

3

Analyte Concentrations in mg/kg
 8 FT. Sample Depth
 3,300 Total Petroleum Hydrocarbons
 as gasoline
 17 Benzene
 12 MTBE

< Less Than the Stated Laboratory
 Reporting Limit
 mg/kg Milligrams per Kilogram

MORGAN STREET



Analyte Concentrations in mg/kg
Sampled January 6, 2005

6 FT Sample Depth

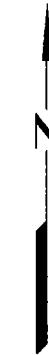
1,410 Total Petroleum Hydrocarbons
as gasoline

4.38 Benzene

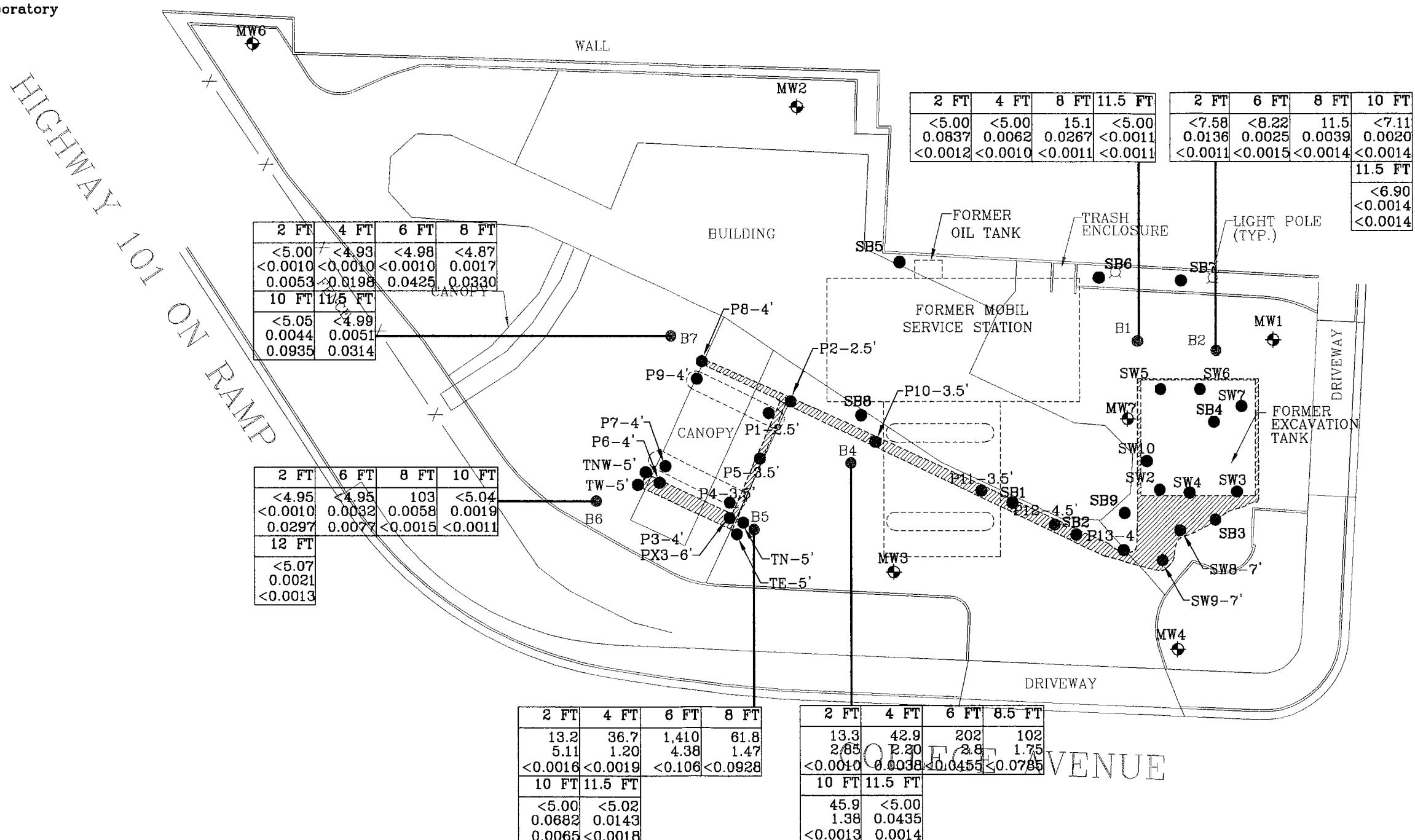
<0.106 Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory
Reporting Limit

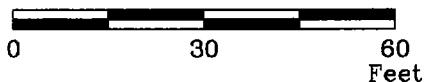
mg/kg Milligrams per Kilogram



MORGAN STREET



APPROXIMATE SCALE



FN 25920002_SP



SOIL SAMPLE LOCATIONS AND 2005 SOIL ANALYTICAL RESULTS

FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

MW7

◆ Groundwater Monitoring Well

B7

● Soil Boring

SB9

● Soil Boring By Others

P13-4

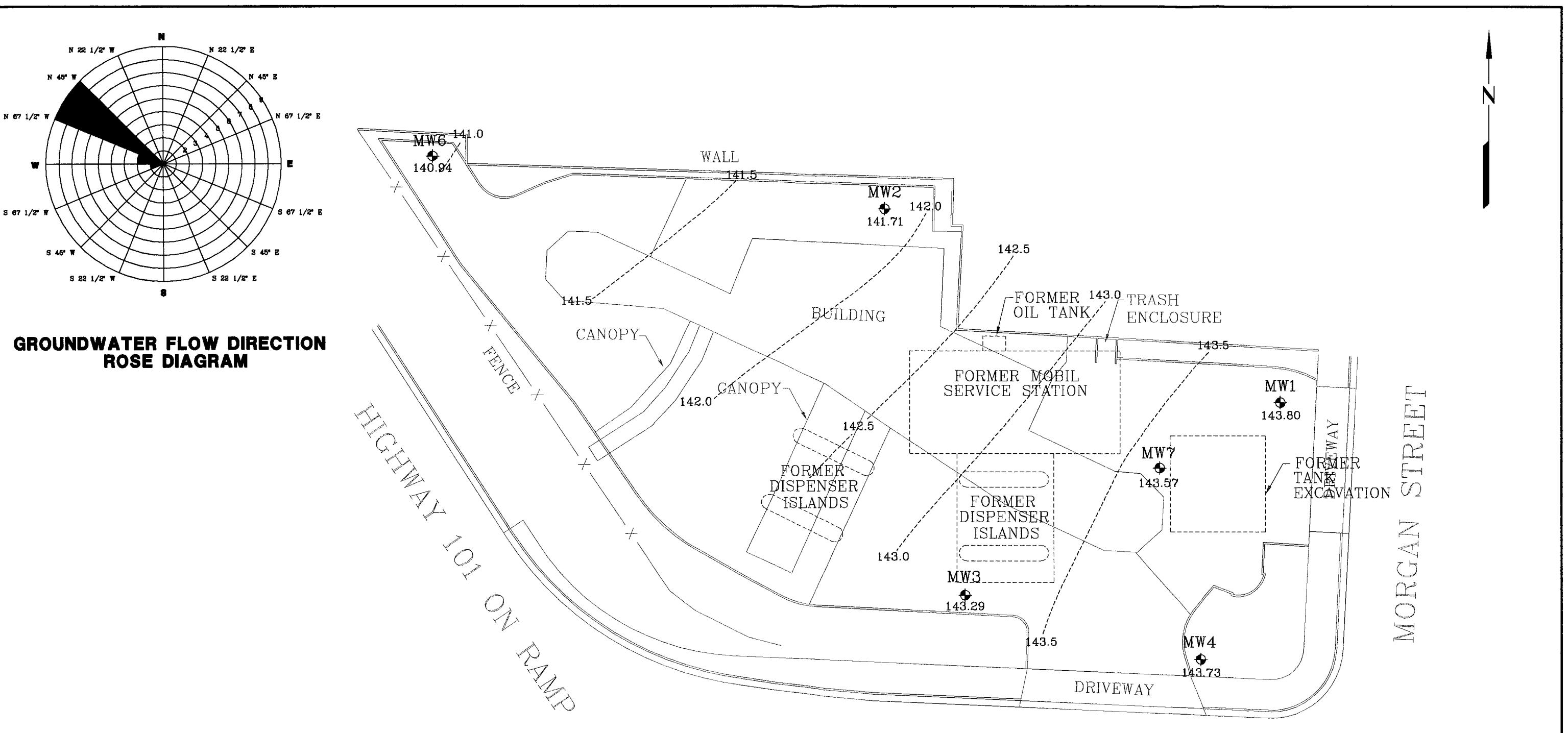
● Tank Pit Boring

■ Area of Excavation

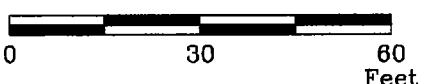
(---) Former Pump Islands

PROJECT NO.
2592

PLATE
5



APPROXIMATE SCALE



FN 25920002_QM



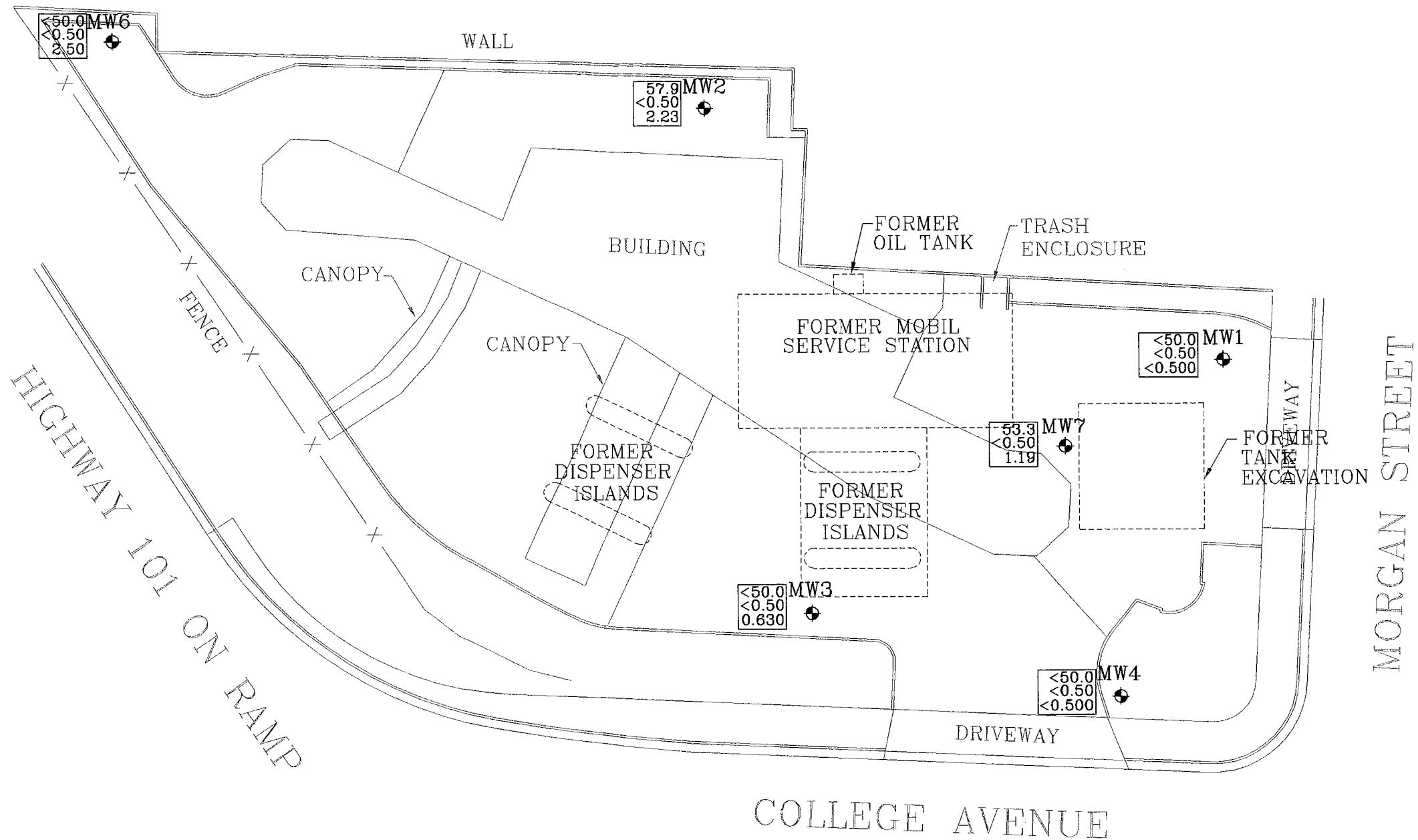
GROUNDWATER ELEVATION MAP
November 28, 2005
FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

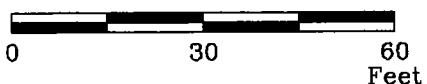
MW7 Groundwater Monitoring Well
143.57 Groundwater elevation in feet; datum is mean sea level

Analyte Concentrations in ug/L
Sampled November 28, 2005

57.9 Total Petroleum Hydrocarbons
as gasoline
<0.50 Benzene
2.23 Methyl Tertiary Butyl Ether
(EPA Method 8260B)
< Less Than the Stated Laboratory
Reporting Limit
ug/L Micrograms per Liter



APPROXIMATE SCALE



FN 25920002_QM



SELECT ANALYTICAL RESULTS
November 28, 2005
FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

MW7

Groundwater Monitoring Well

PROJECT NO.

2592

PLATE

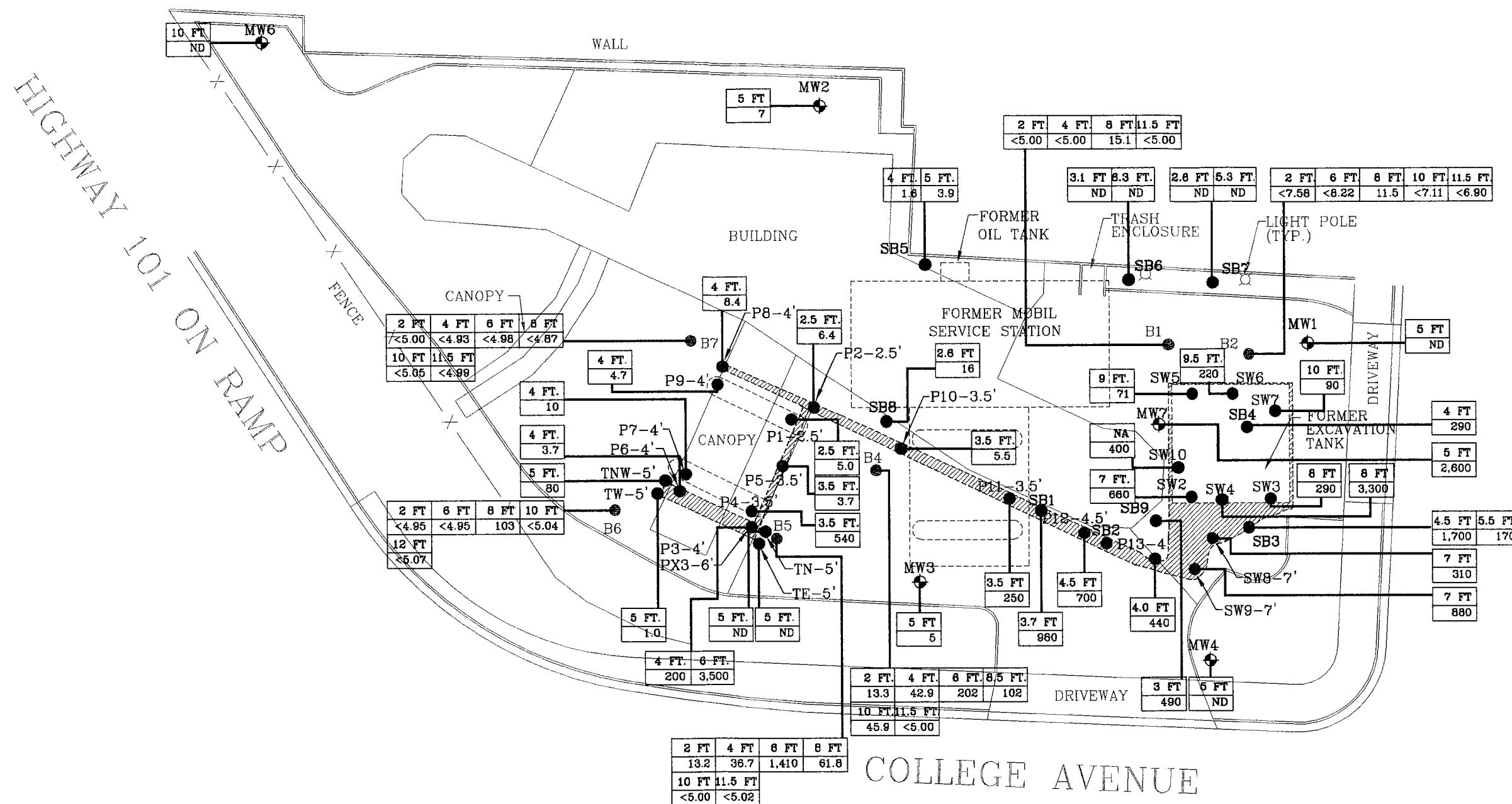
7

Analyte Concentrations in mg/kg

6 FT. Sample Depth

3,500 Total Petroleum Hydrocarbons
as gasoline

< Less Than the Stated Laboratory
Reporting Limit
mg/kg Milligrams per Kilogram



FN 25920002_SP



ANALYTICAL RESULTS OF TPHg
IN SOIL

FORMER
MOBIL SERVICE STATION SR-OSA

257 College Avenue

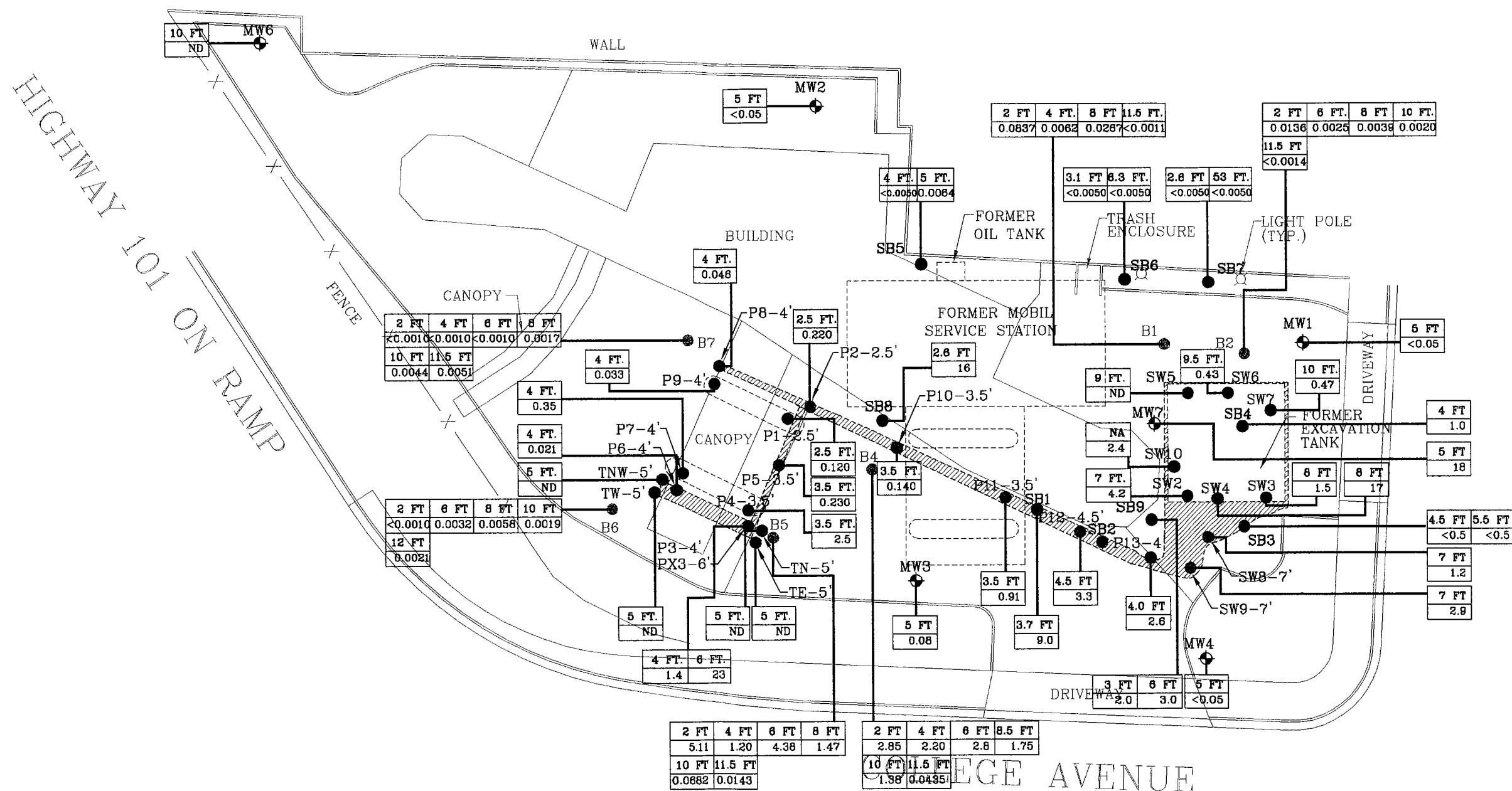
Santa Rosa, California

Analyte Concentrations in mg/kg

5 FT. Sample Depth

2,600 Benzene

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per Kilogram



ANALYTICAL RESULTS OF BENZENE IN SOIL

FORMER MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

MW7

● Groundwater Monitoring Well

B7

● Soil Boring

SB9

● Soil Boring By Others

P13-4'

● Tank Pit Boring

■ Area of Excavation

() Former Pump Islands

PROJECT NO.

2592

PLATE

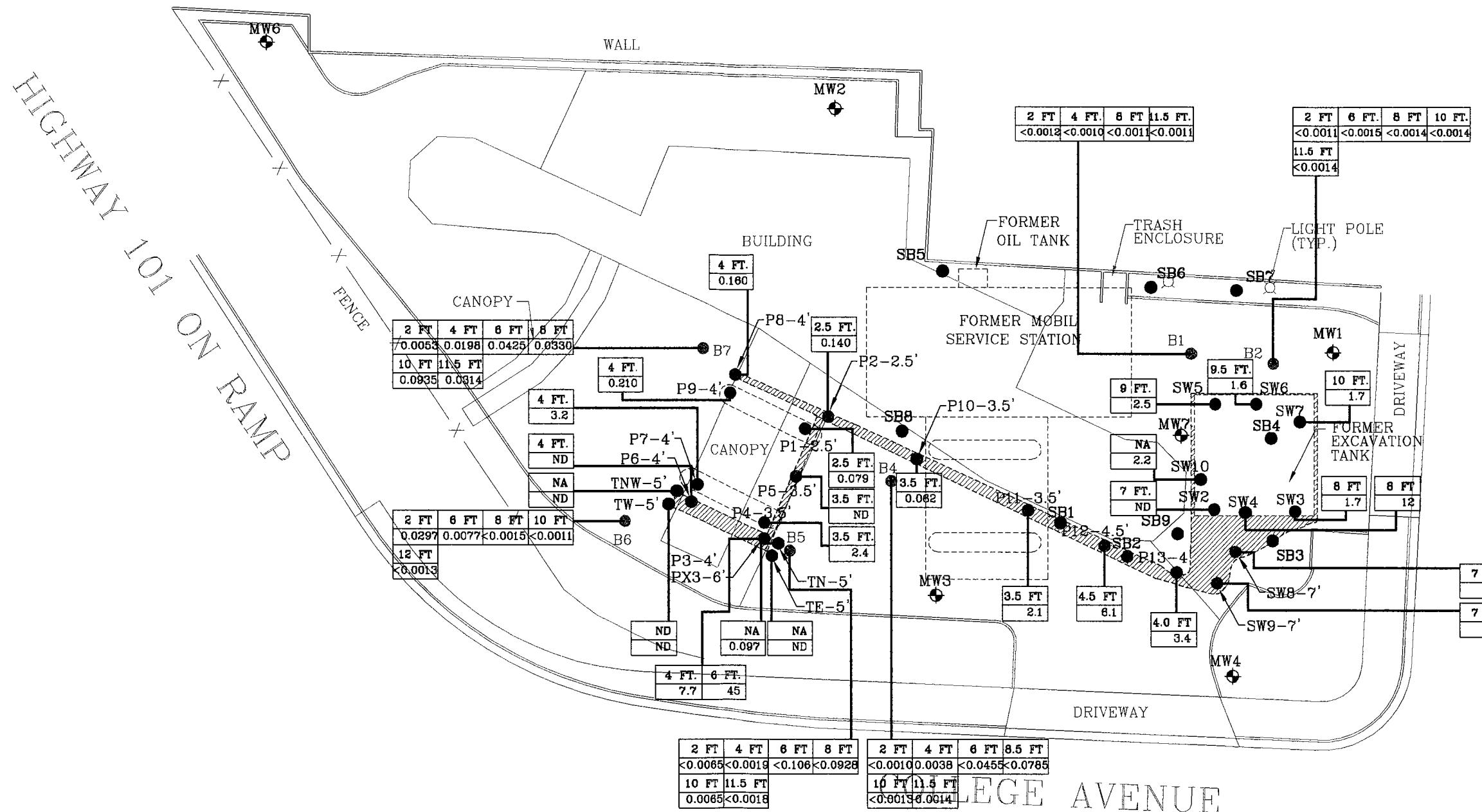
9

Analyte Concentrations in mg/kg

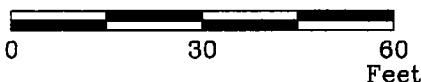
5 FT. Sample Depth

2,600 MTBE

< Less Than the Stated Laboratory Reporting Limit
mg/kg Milligrams per Kilogram



APPROXIMATE SCALE



FN 25920002_SP



ANALYTICAL RESULTS OF MTBE IN SOIL

FORMER
MOBIL SERVICE STATION SR-OSA
257 College Avenue
Santa Rosa, California

EXPLANATION

MW7

● Groundwater Monitoring Well

B7

● Soil Boring

SB9

● Soil Boring By Others

P13-4'

● Tank Pit Boring

■ Area of Excavation

(---) Former Pump Islands

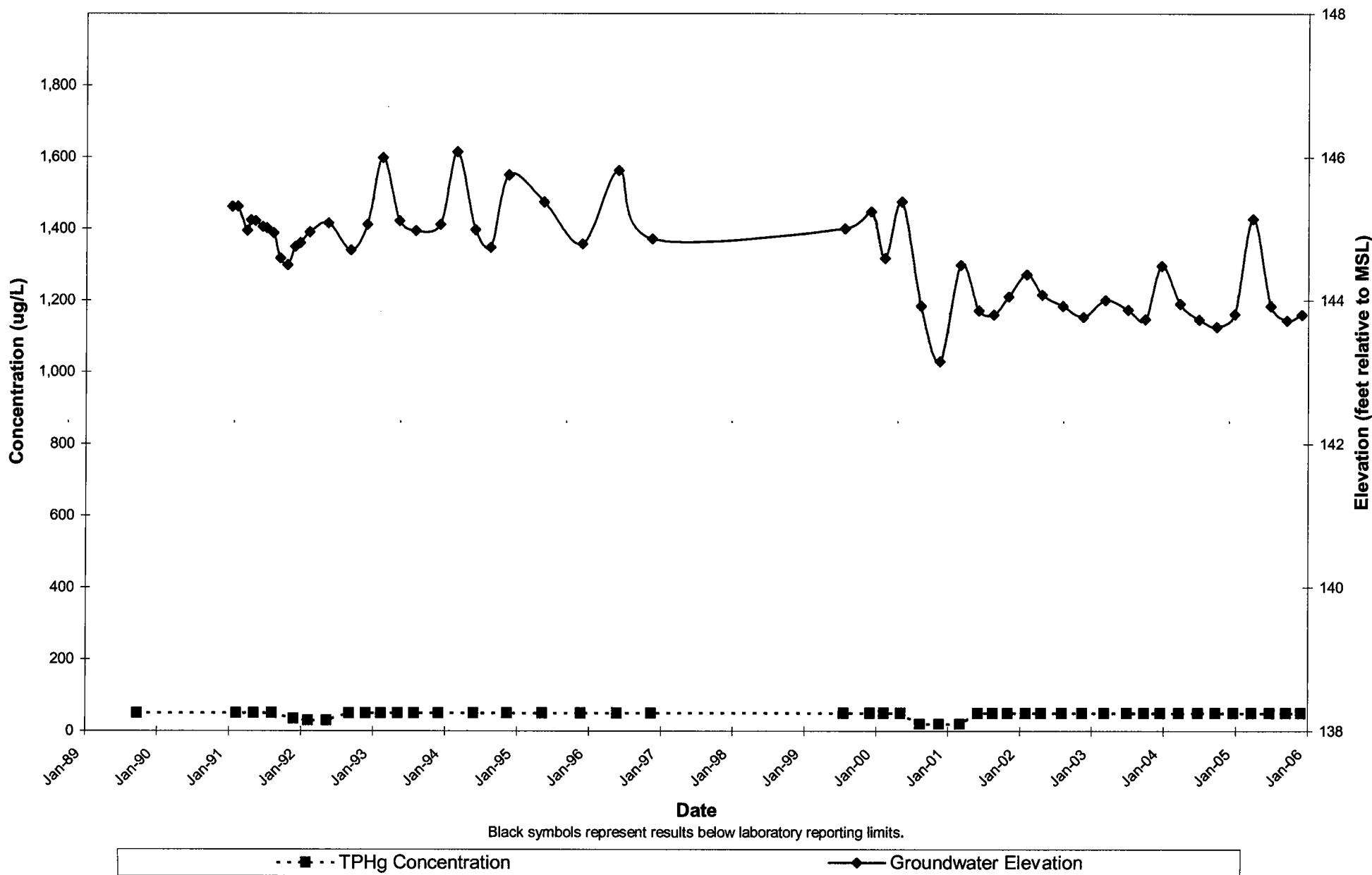
PROJECT NO.

2592

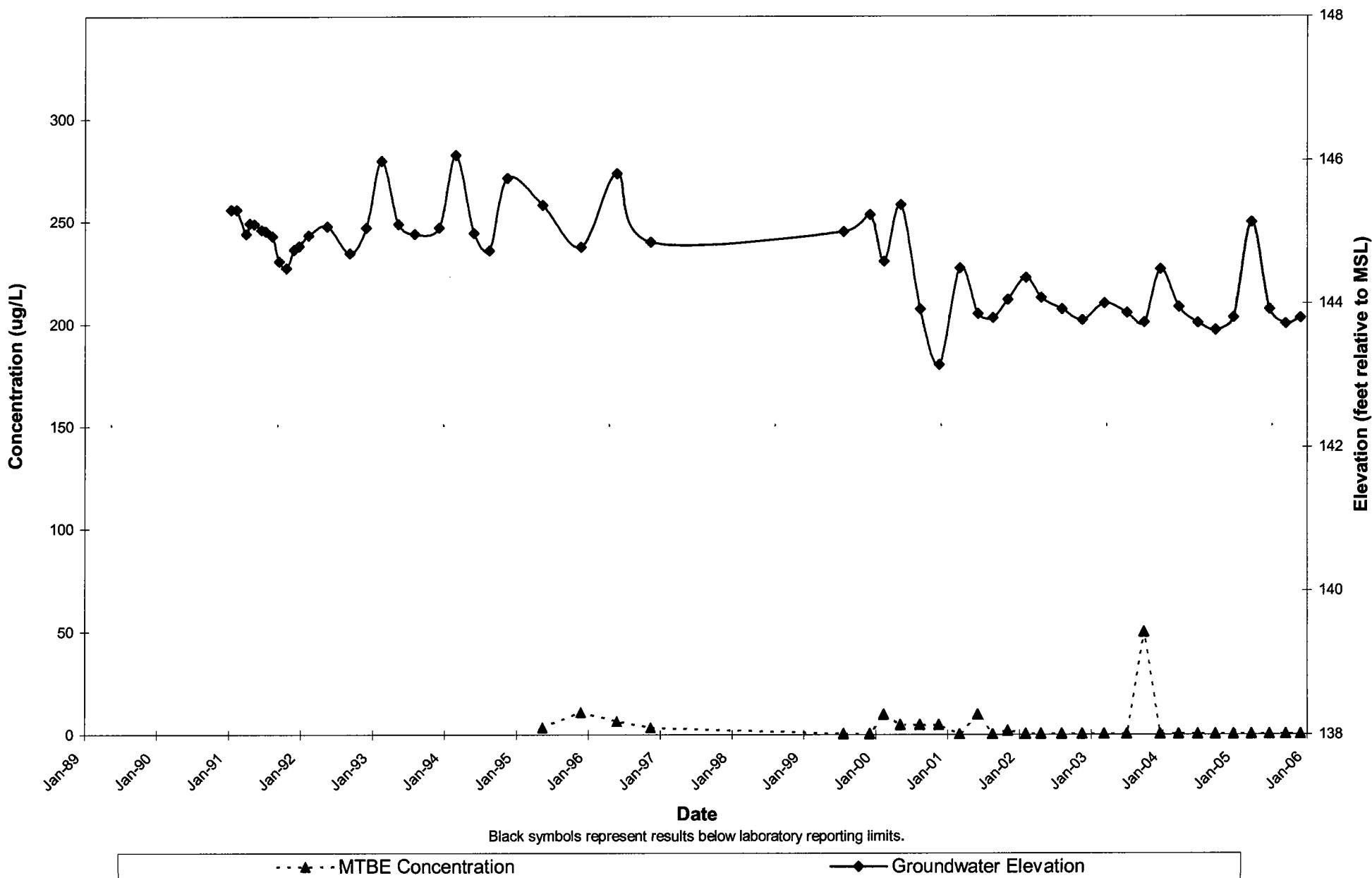
PLATE

10

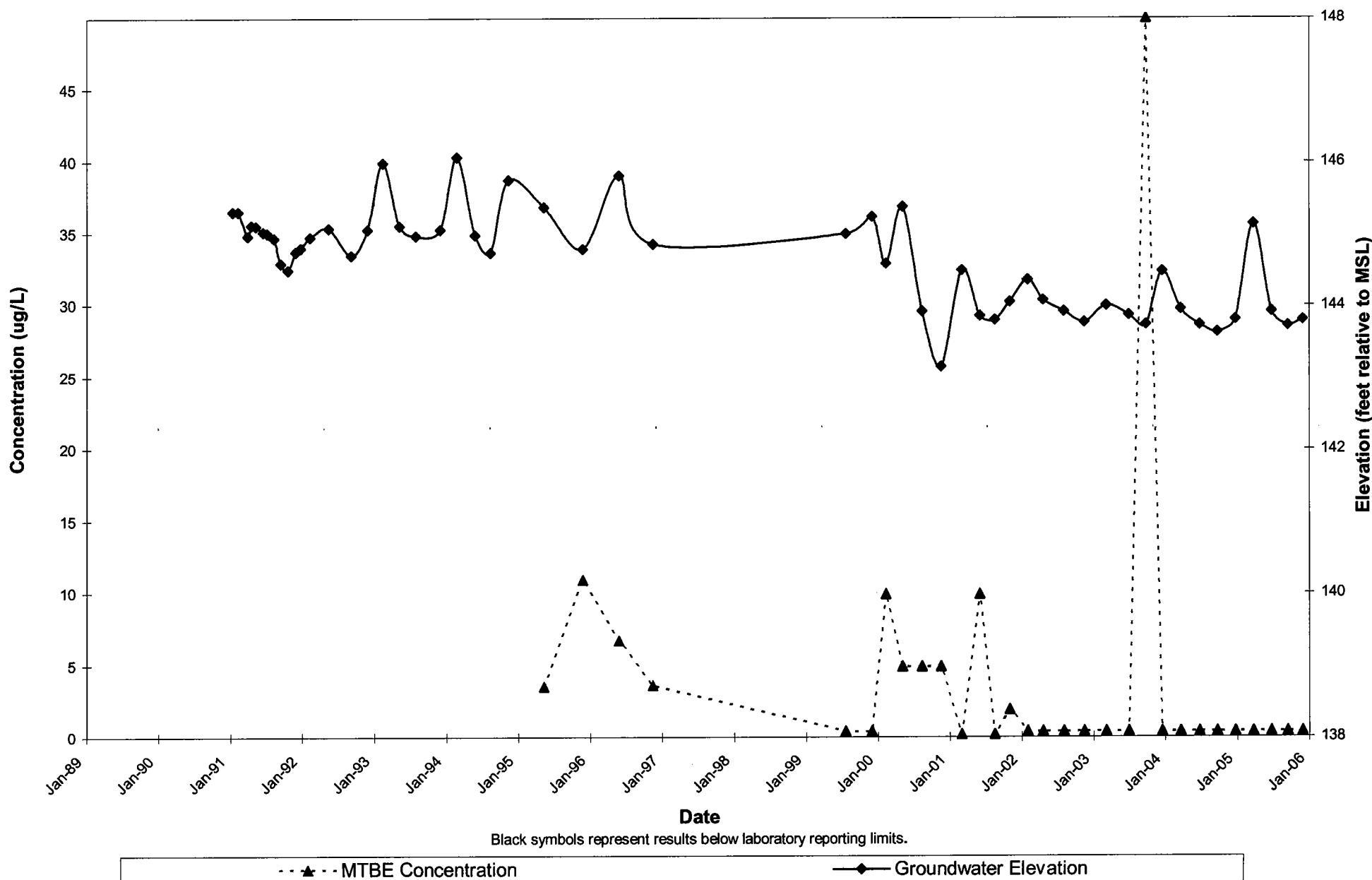
GRAPH 1A
Well MW1 Hydrograph - TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



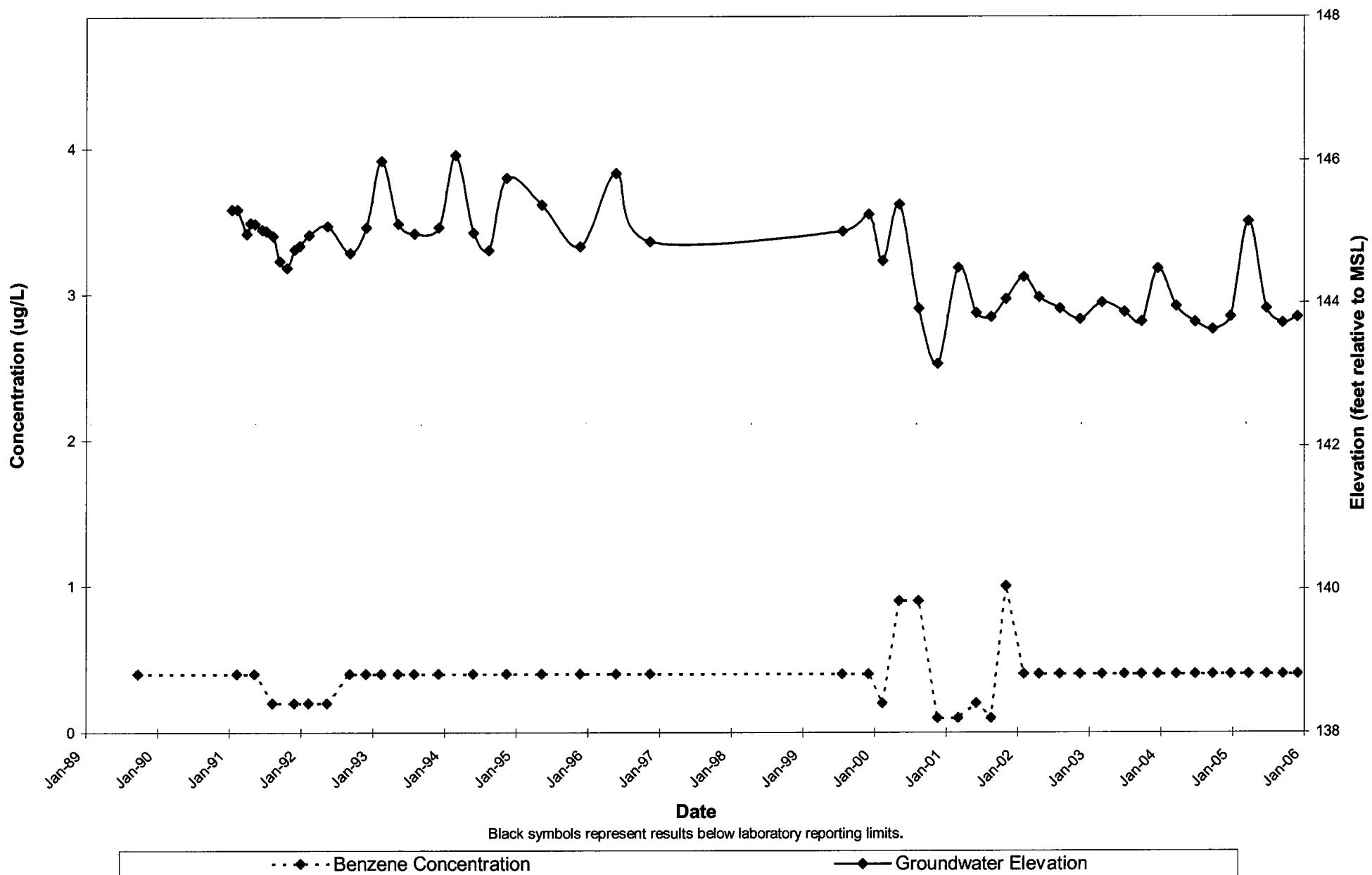
GRAPH 1B
Well MW1 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



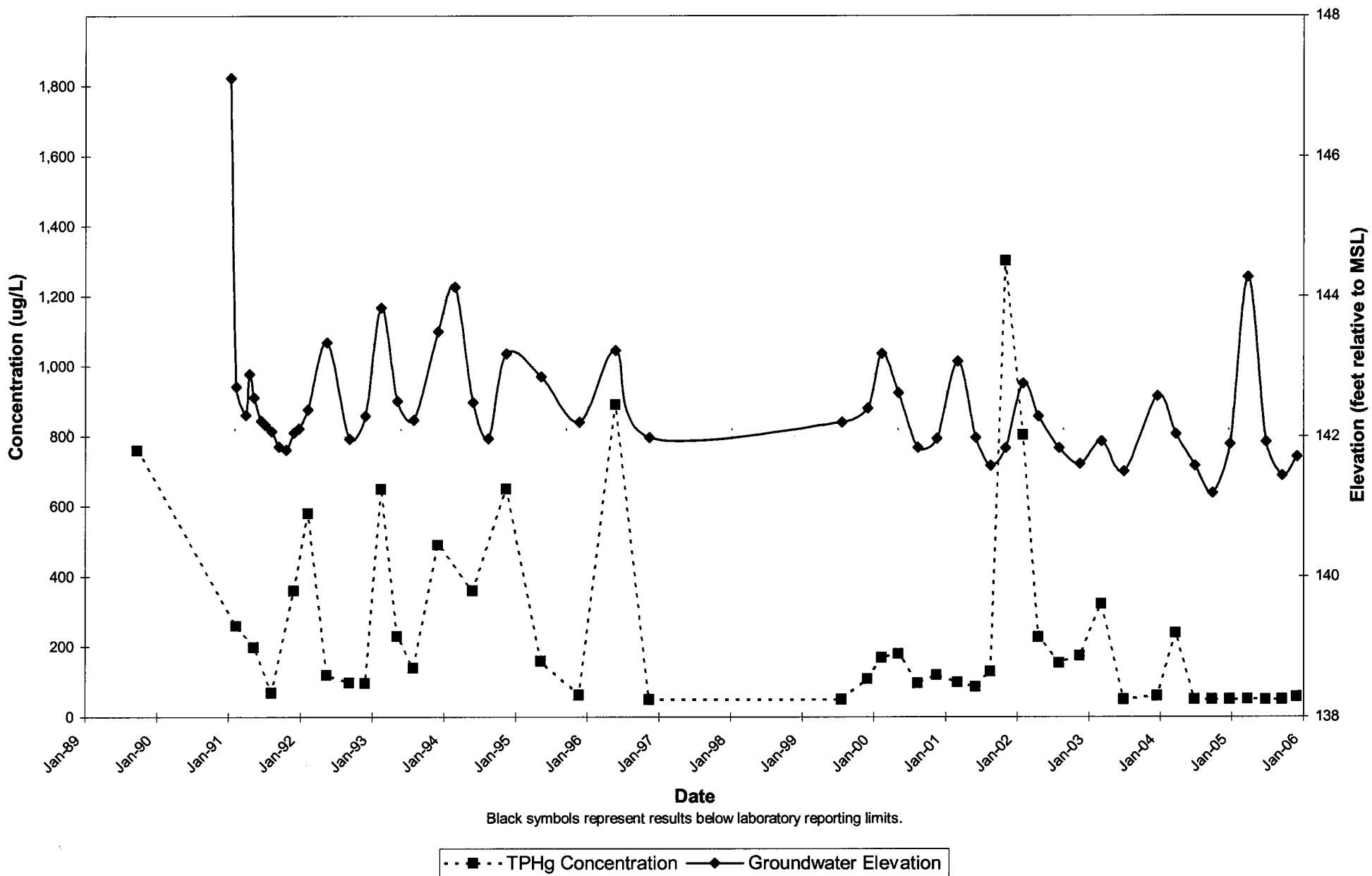
GRAPH 1C
Well MW1 Hydrograph - MTBE Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



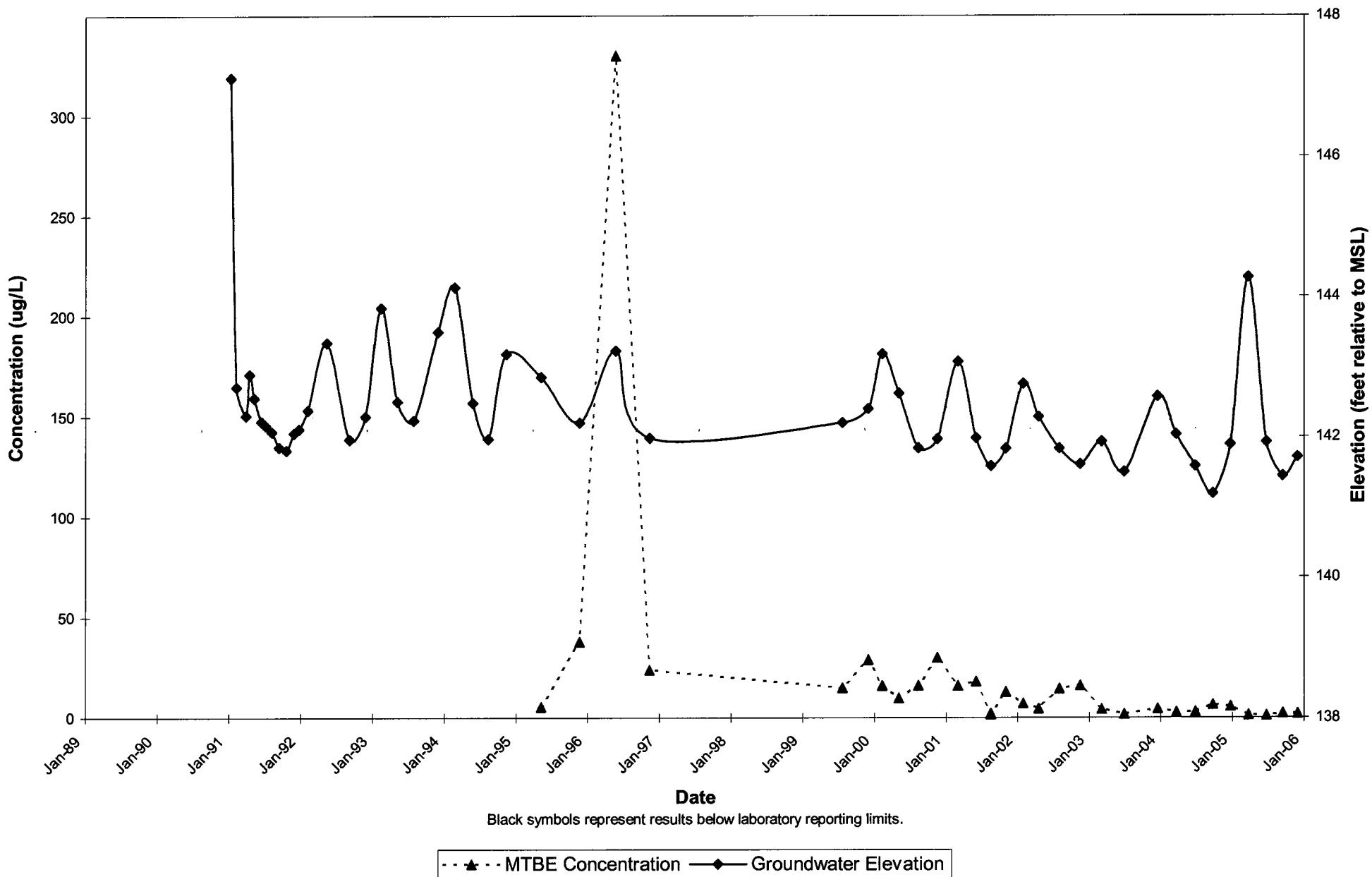
GRAPH 1D
Well MW1 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



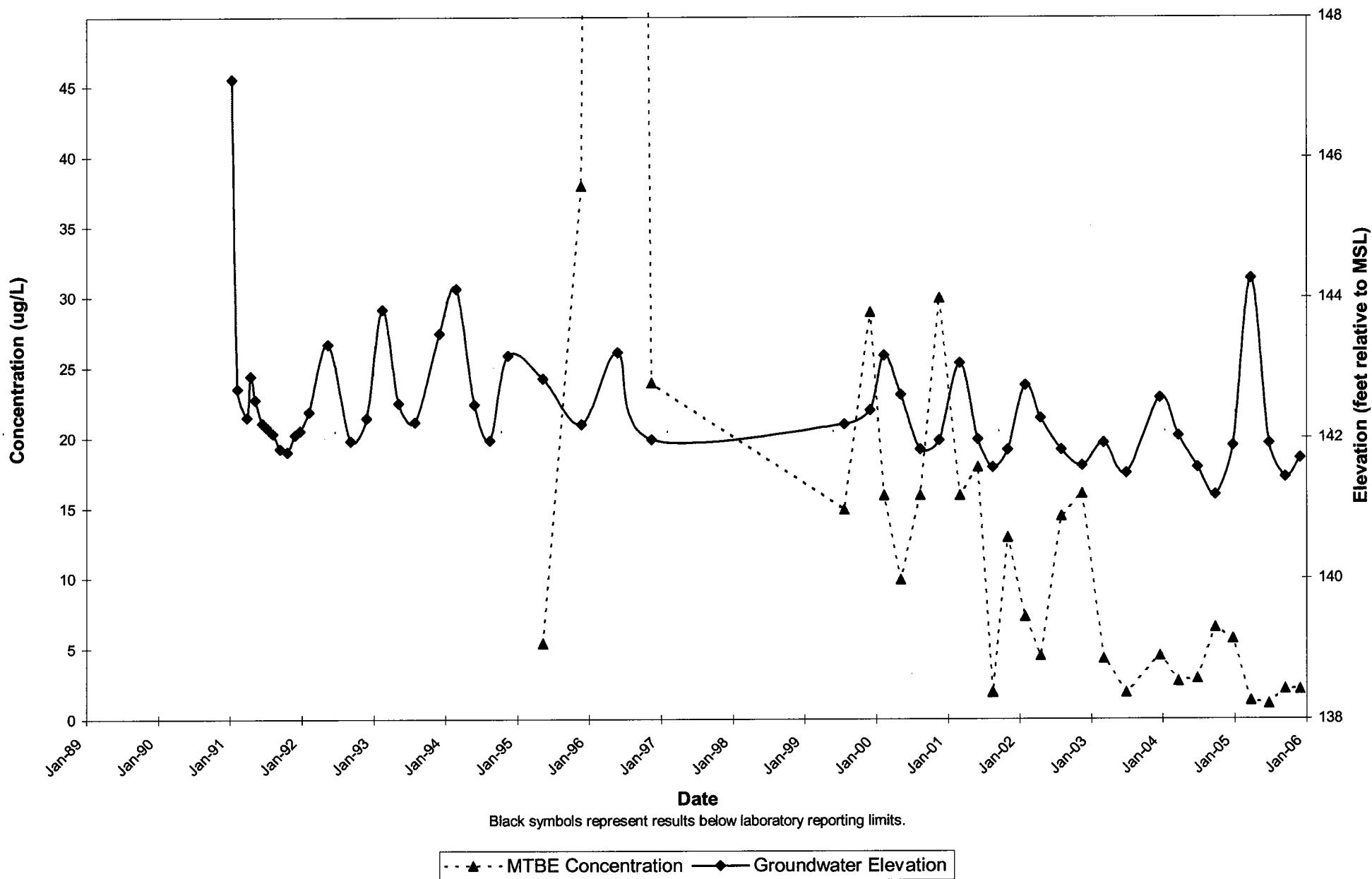
GRAPH 2A
Well MW2 Hydrograph - TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



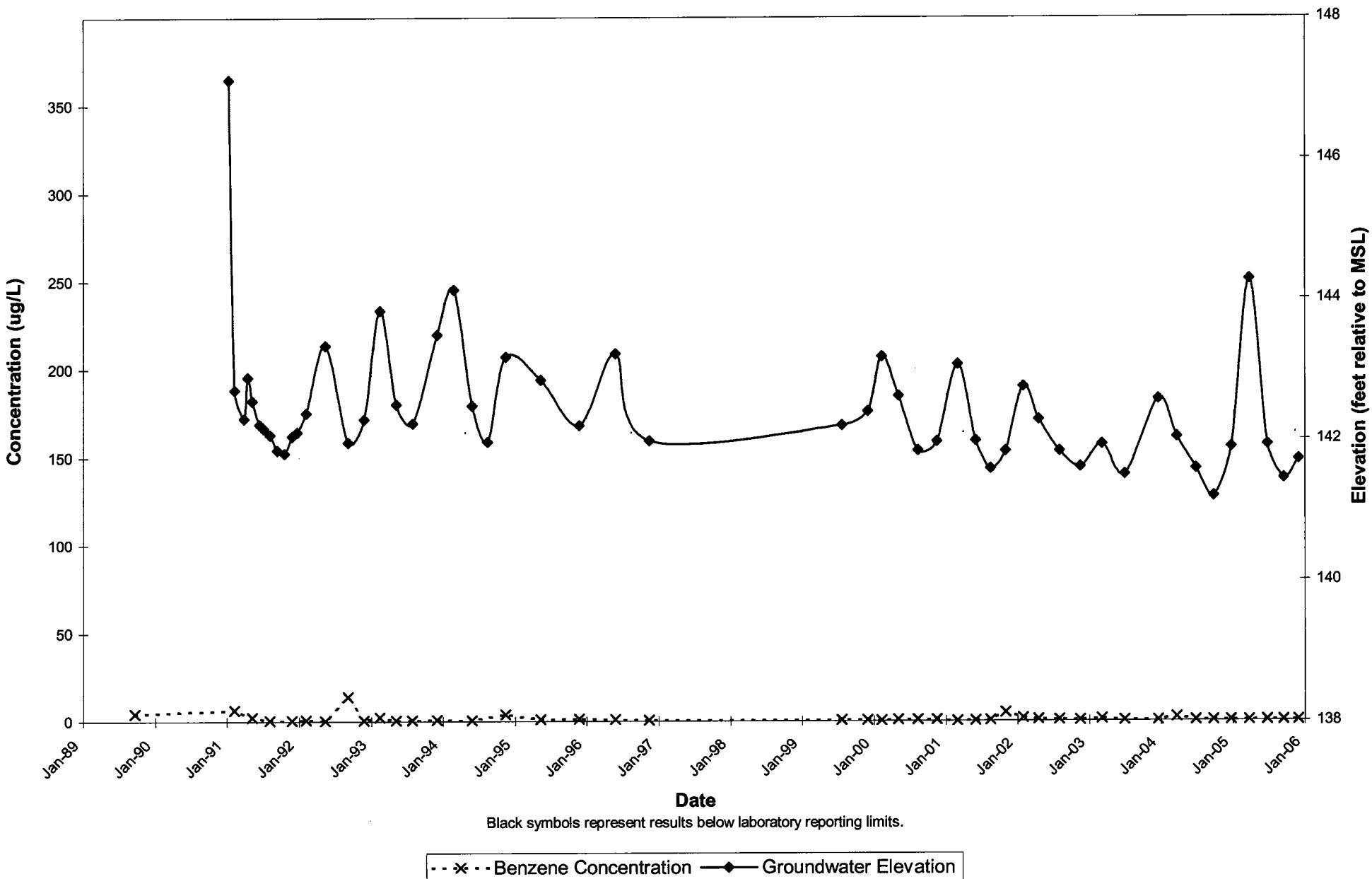
GRAPH 2B
Well MW2 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



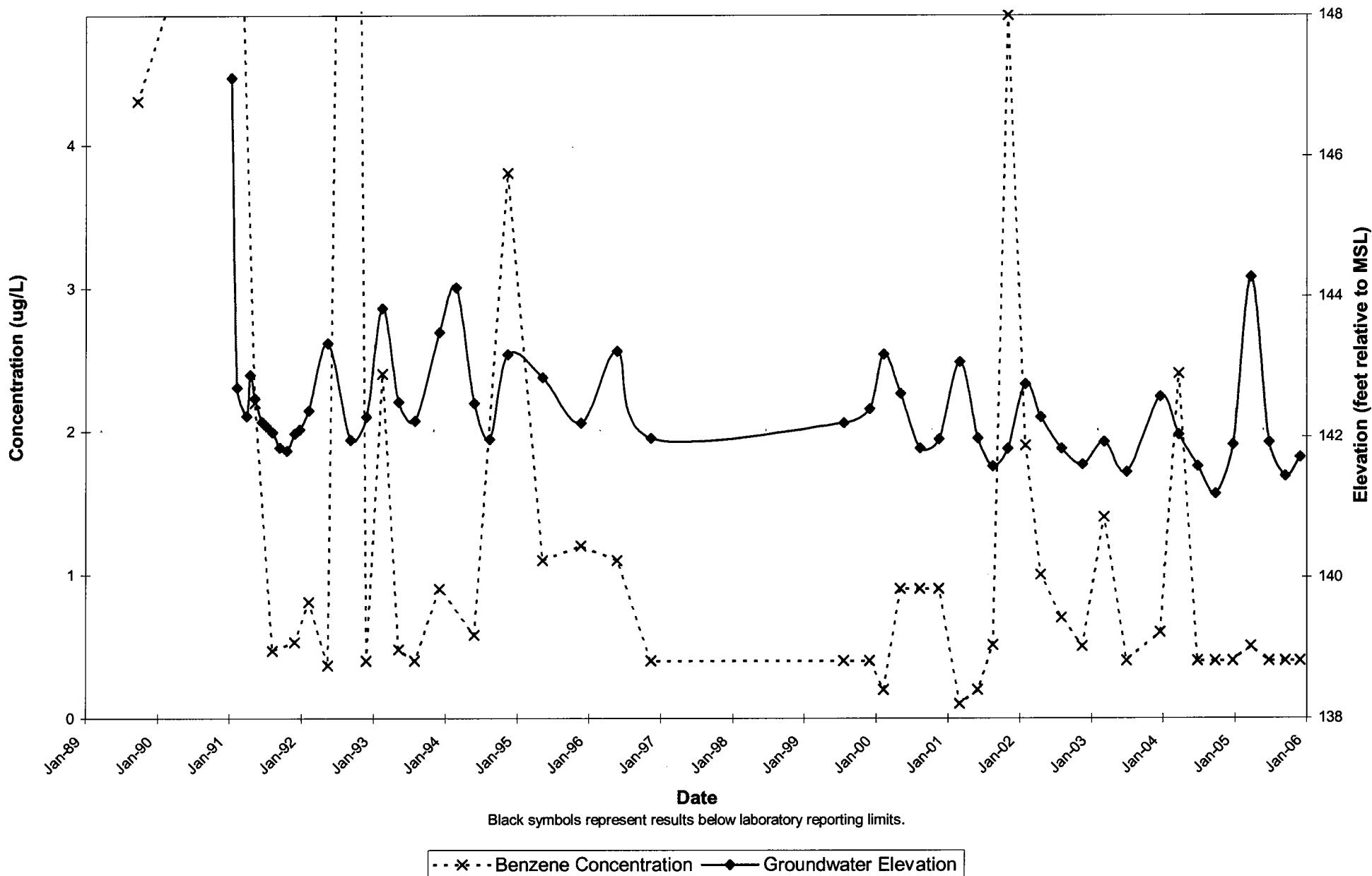
GRAPH 2C
Well MW2 Hydrograph - MTBE Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



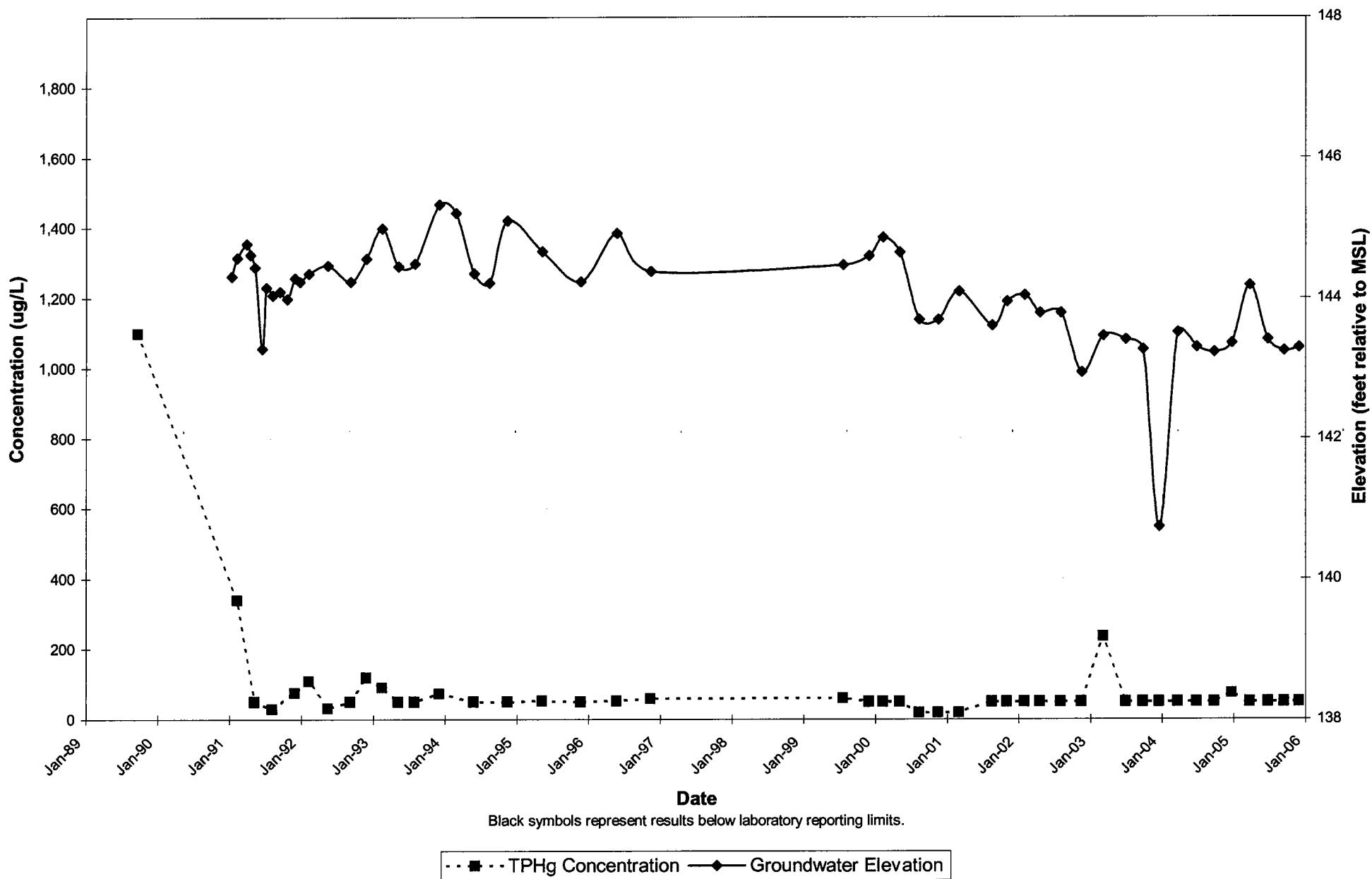
GRAPH 2D
Well MW2 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



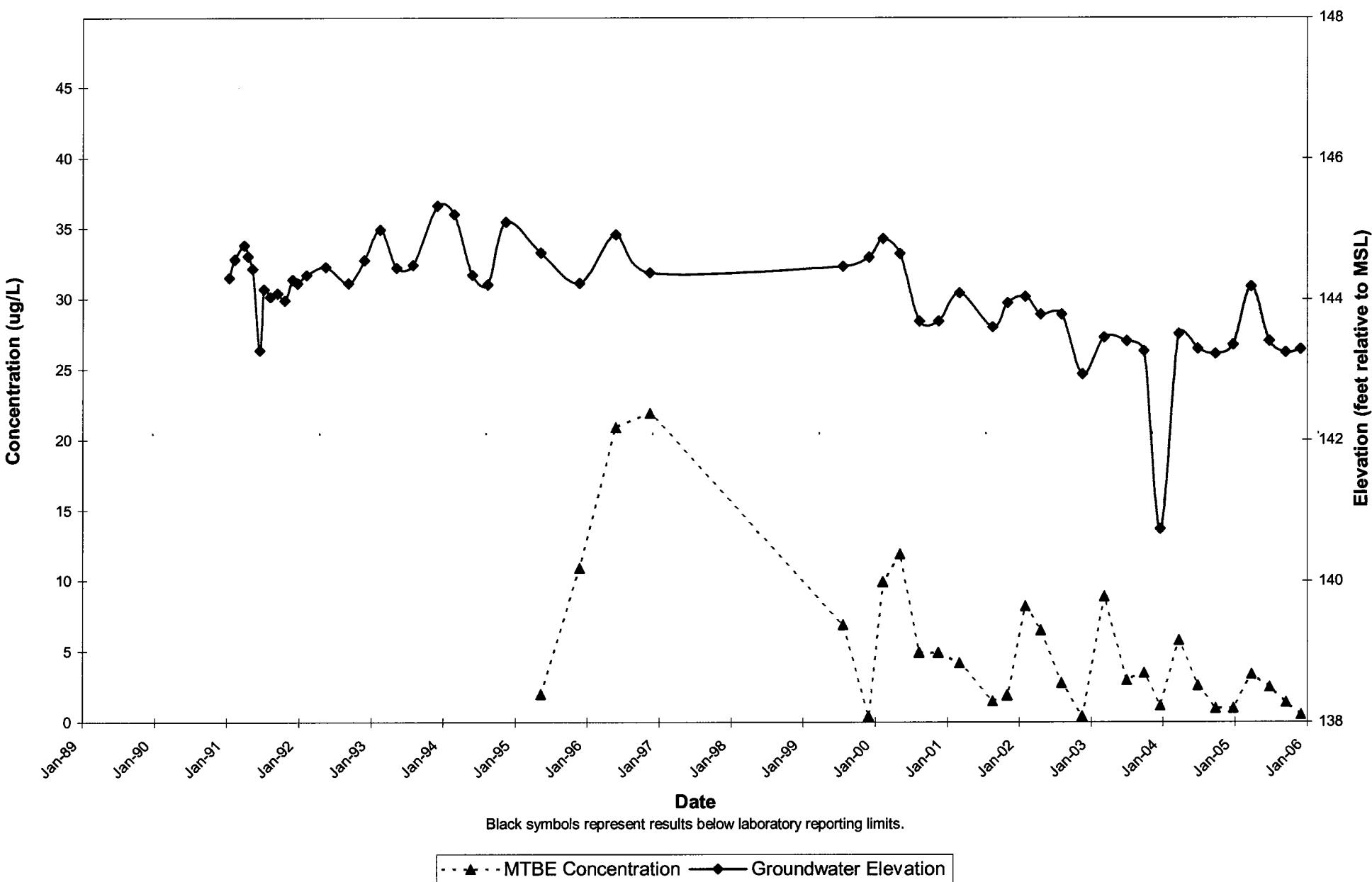
GRAPH 2E
Well MW2 Hydrograph - Benzene Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



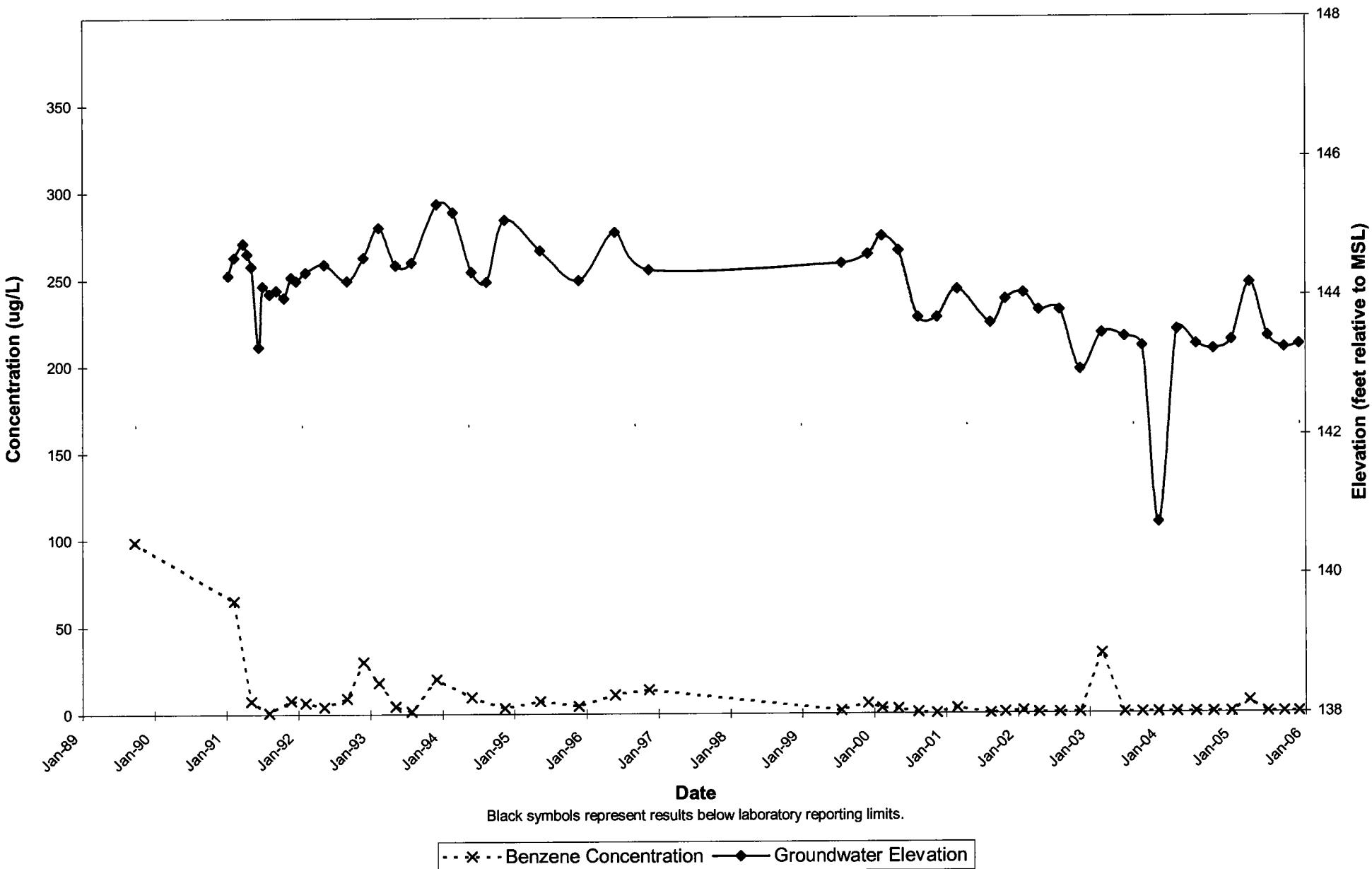
GRAPH 3A
Well MW3 Hydrograph - TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



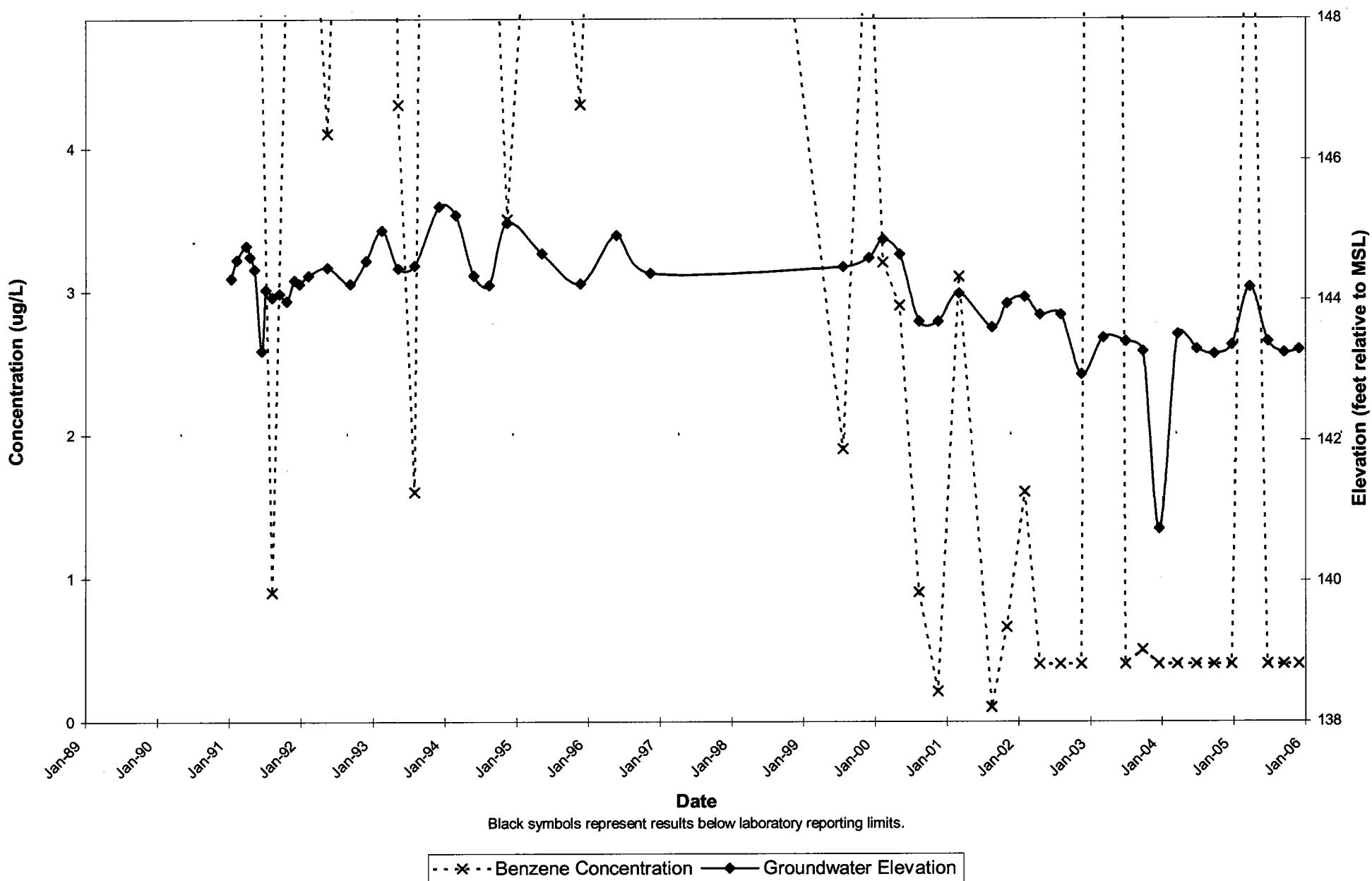
GRAPH 3B
Well MW3 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



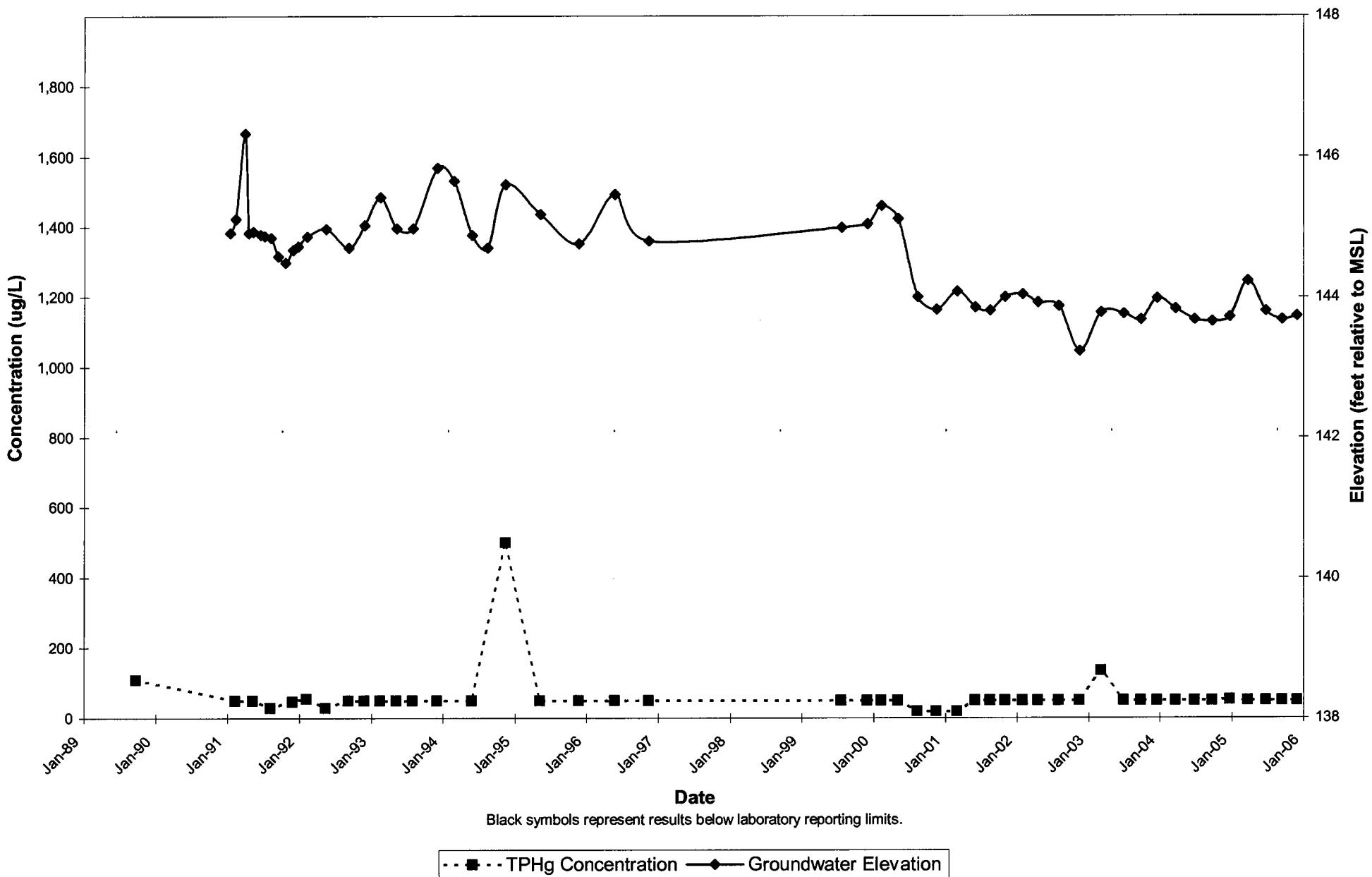
GRAPH 3C
Well MW3 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



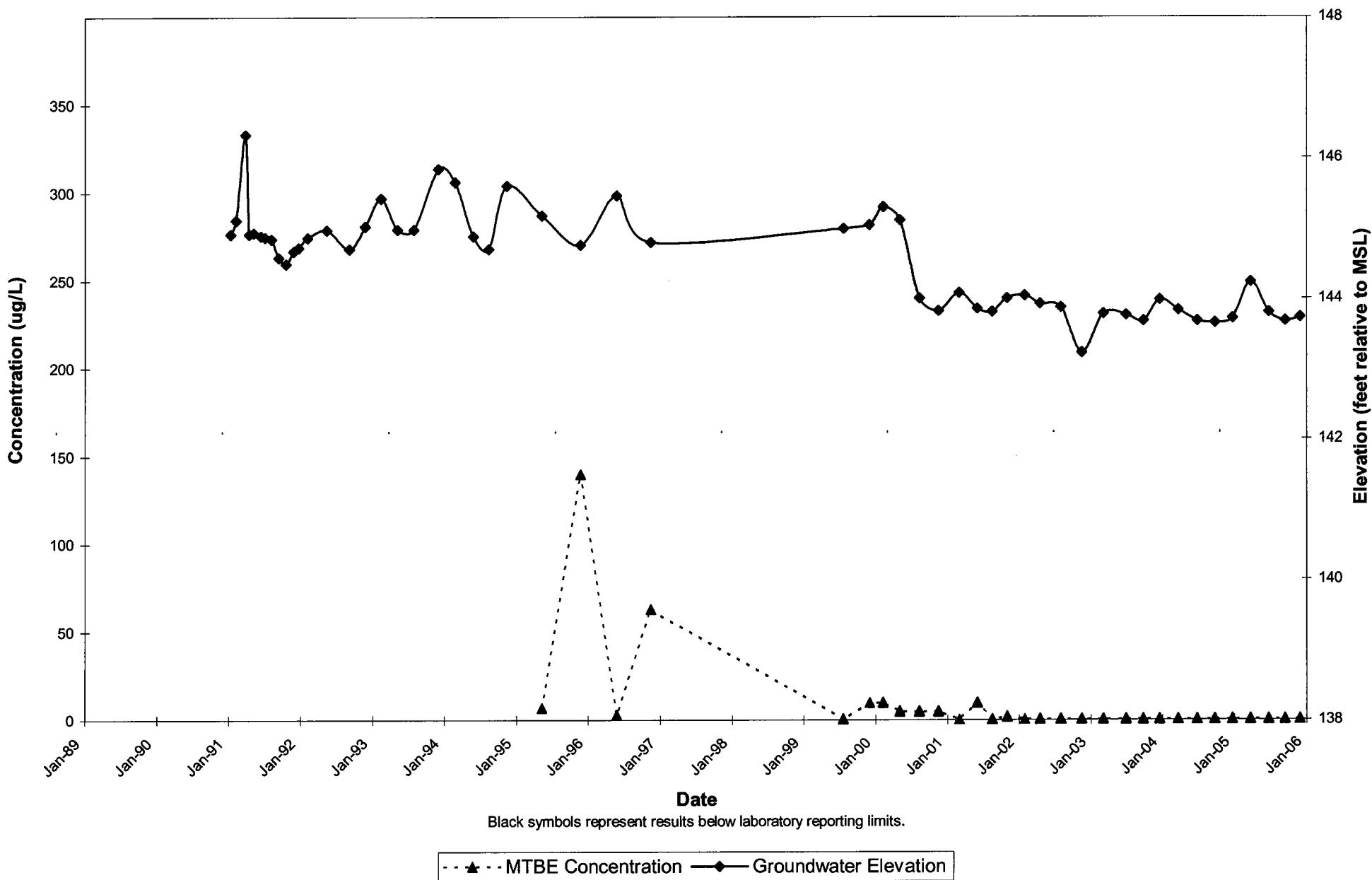
GRAPH 3D
Well MW3 Hydrograph - Benzene Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



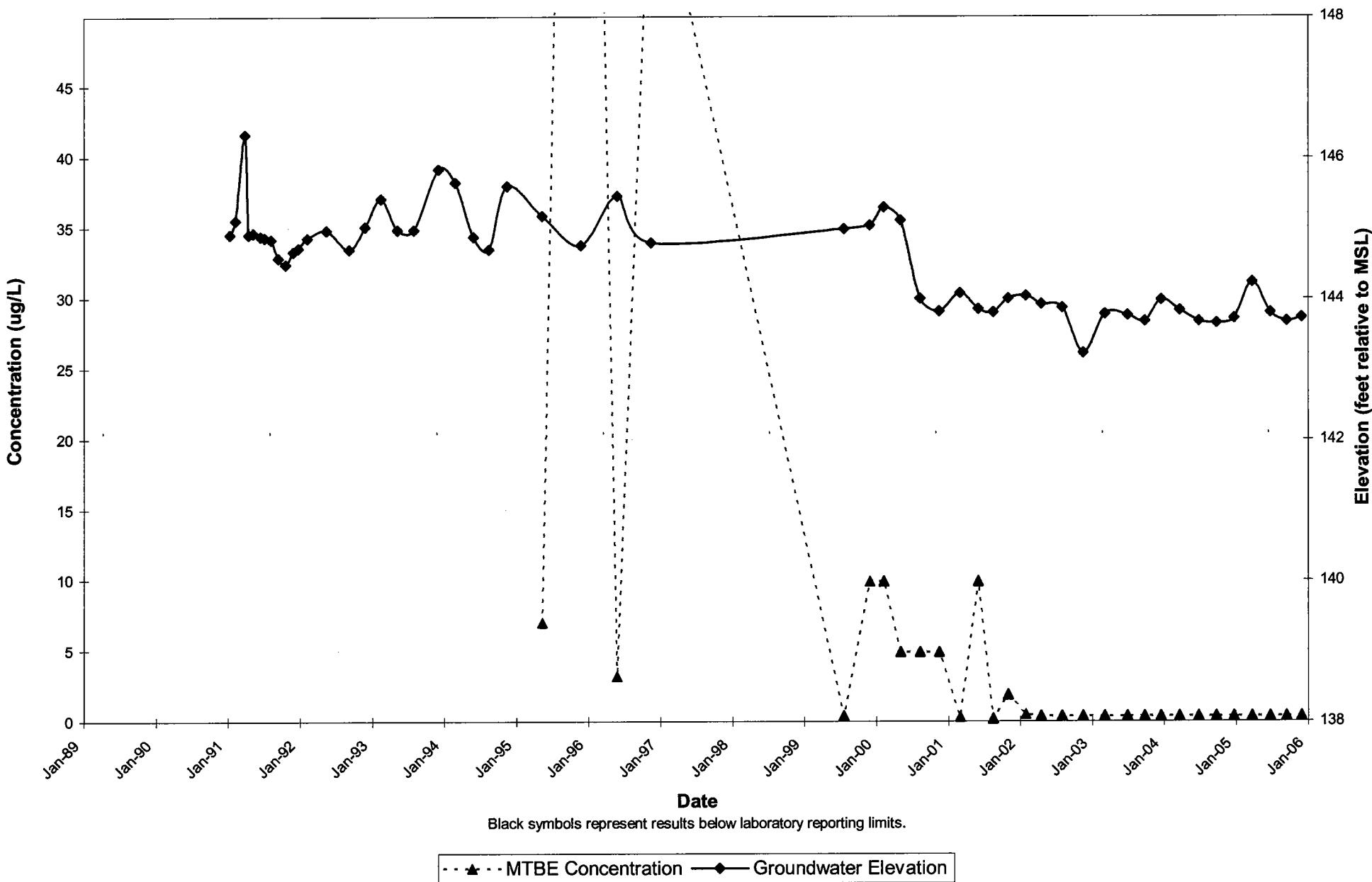
GRAPH 4A
Well MW4 Hydrograph -TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



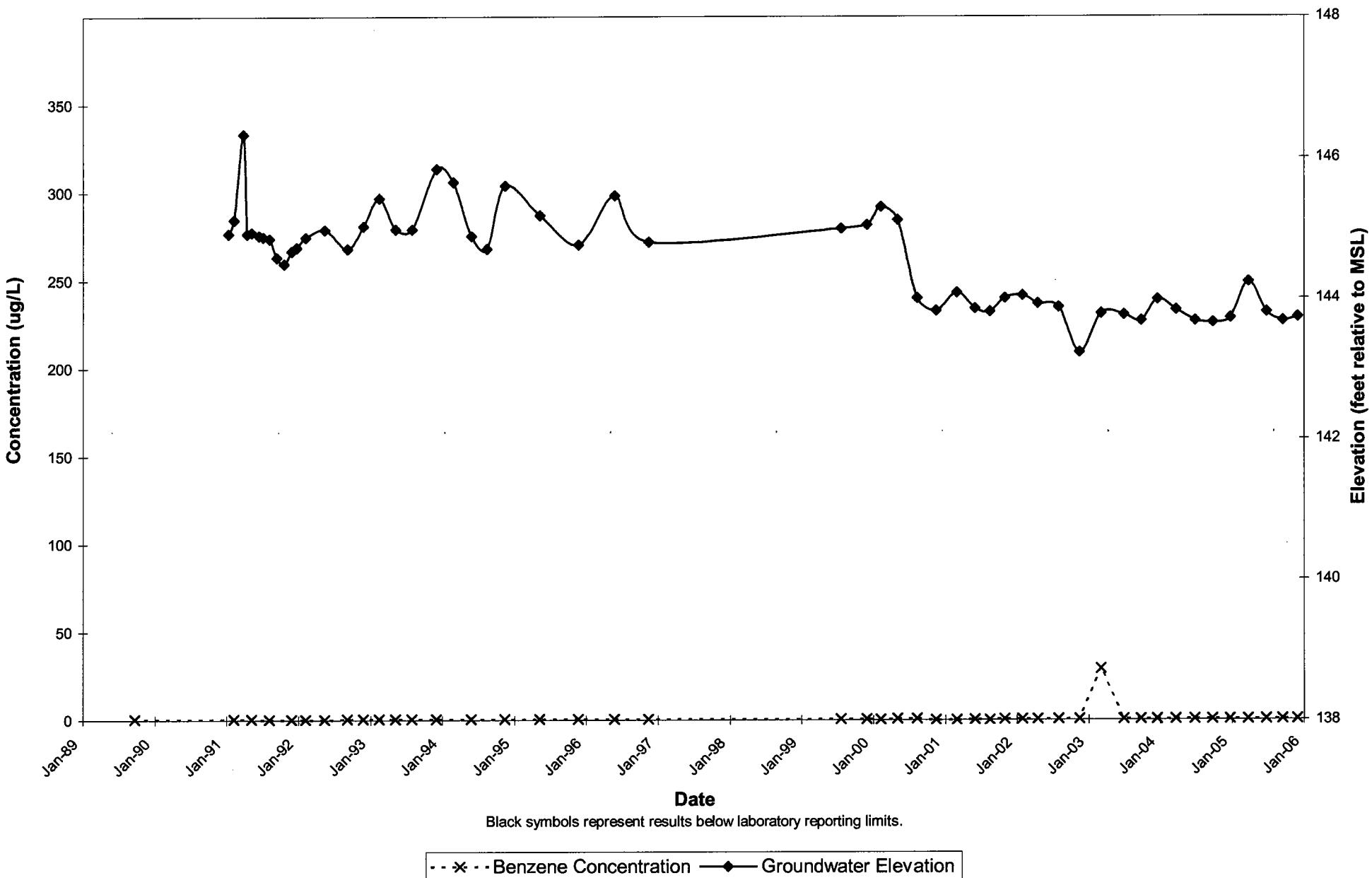
GRAPH 4B
Well MW4 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



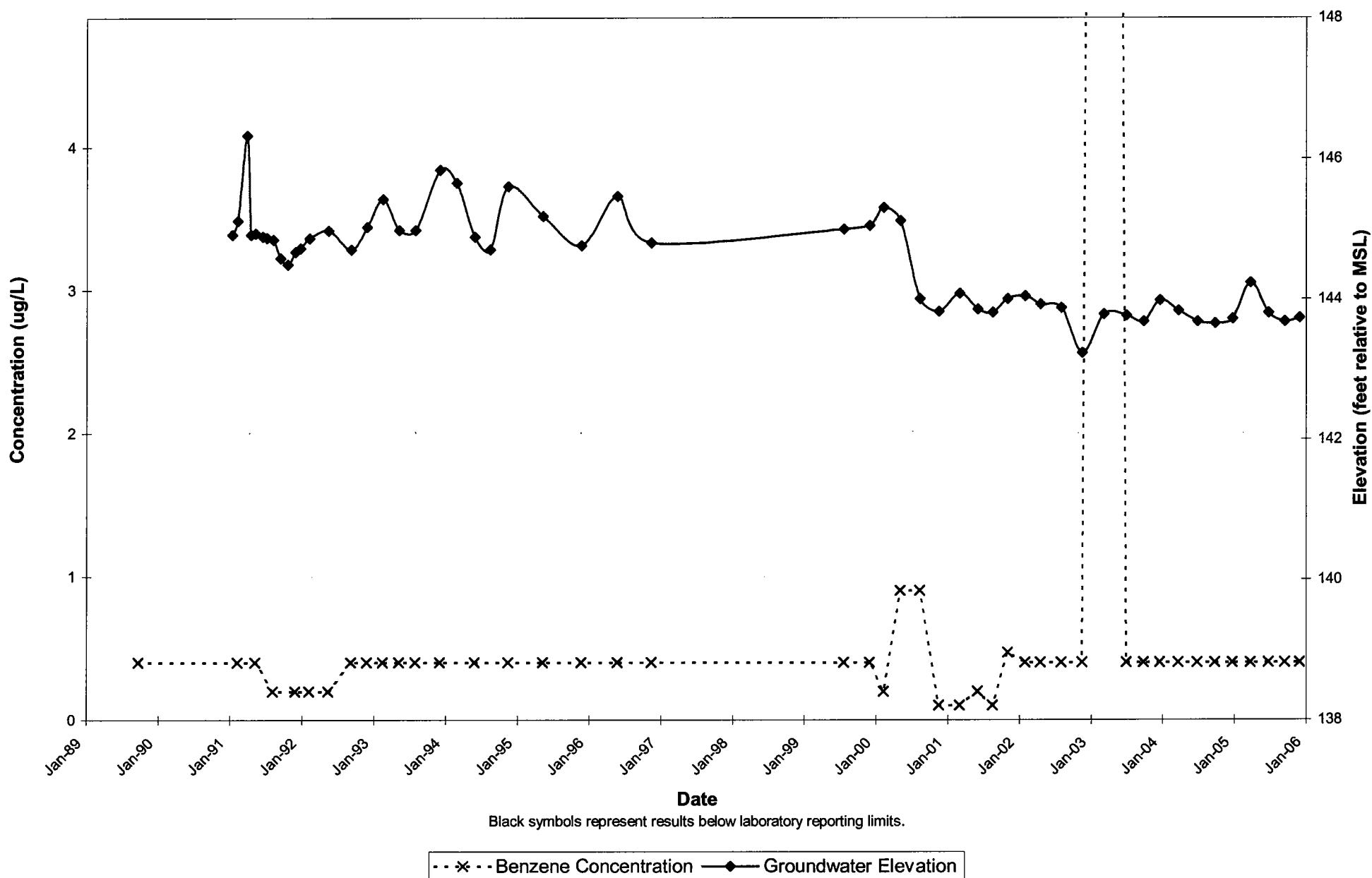
GRAPH 4C
Well MW4 Hydrograph - MTBE Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



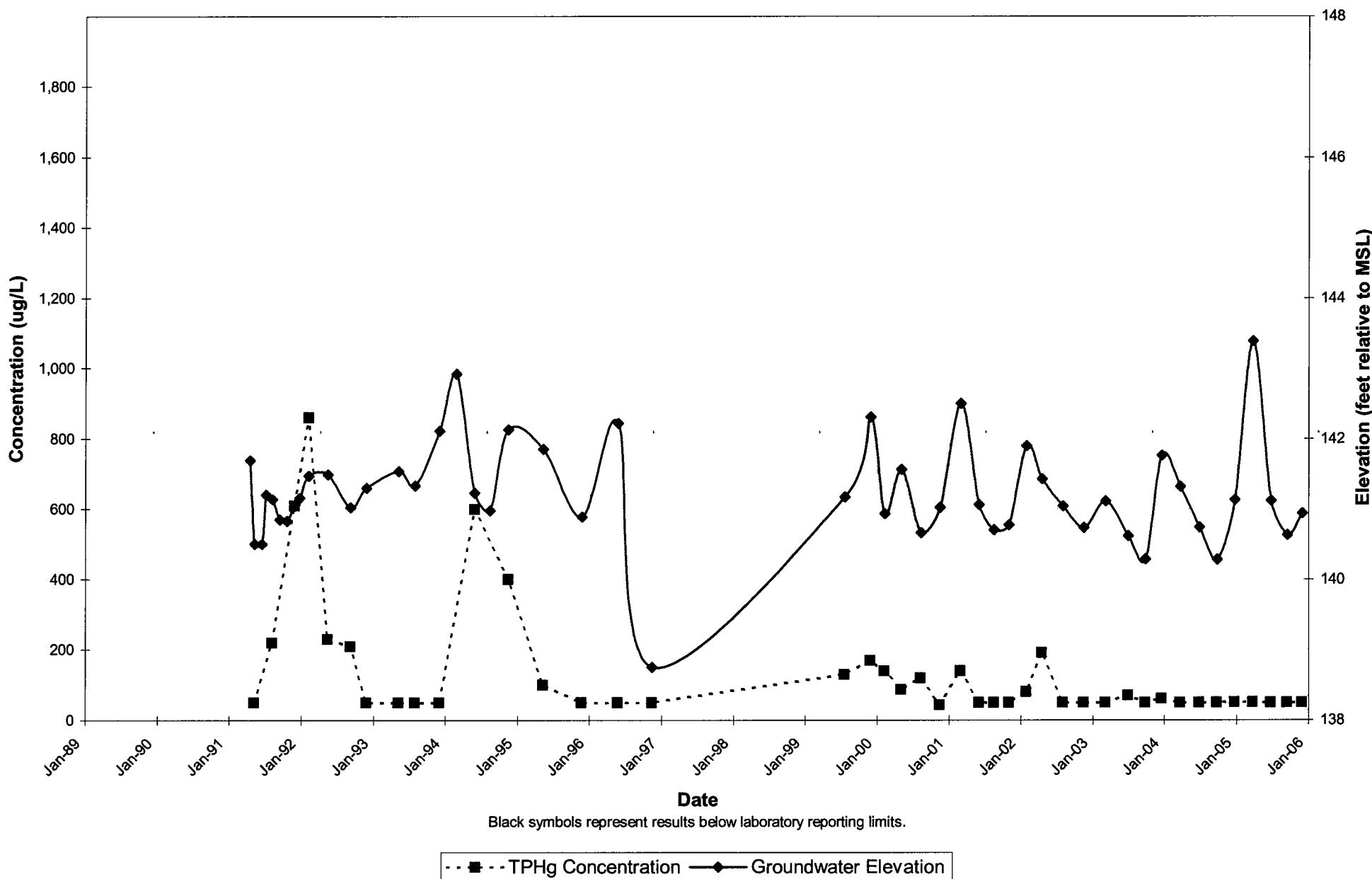
GRAPH 4D
Well MW4 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



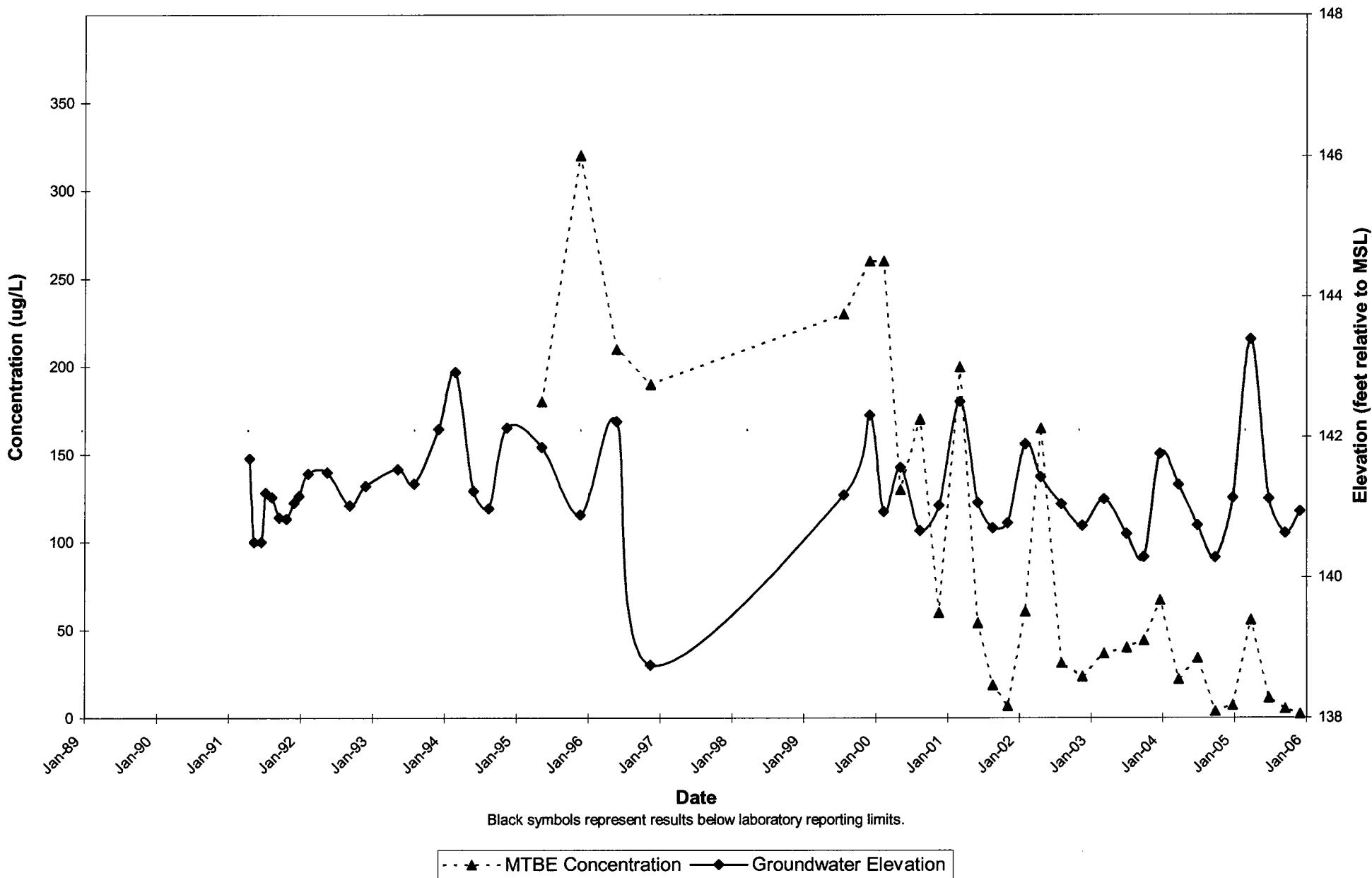
GRAPH 4E
Well MW4 Hydrograph - Benzene Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



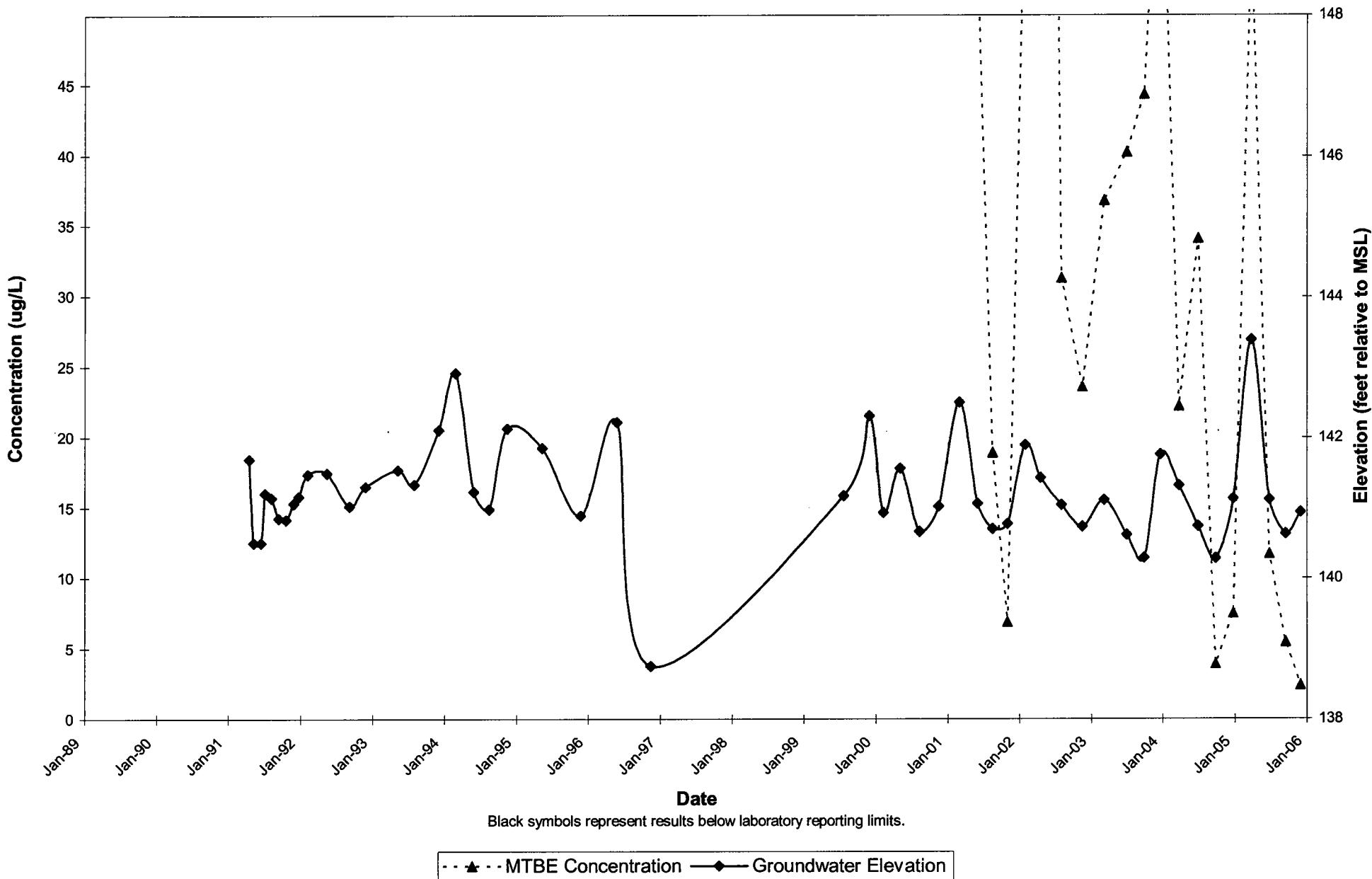
GRAPH 5A
Well MW6 Hydrograph - TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



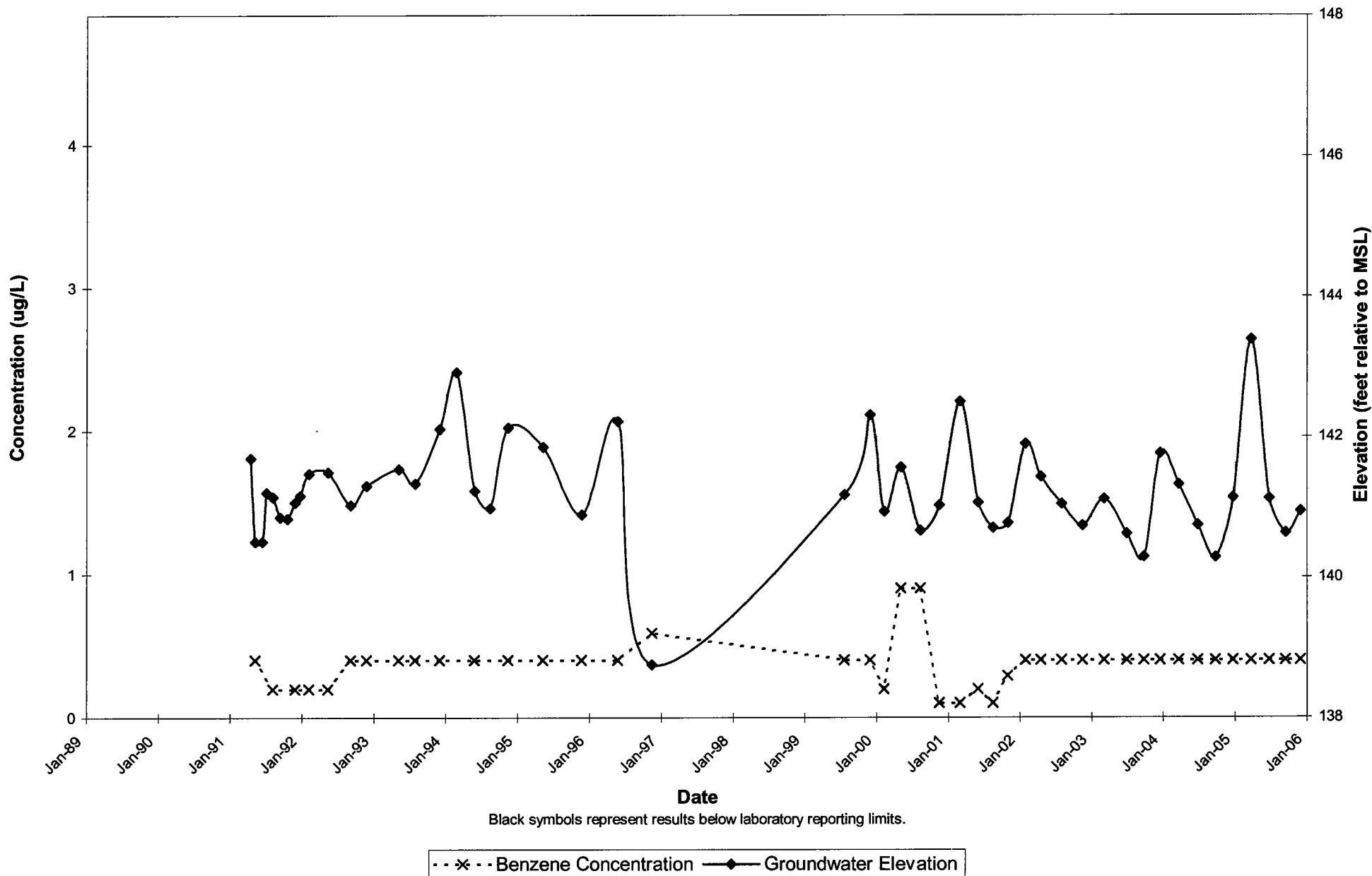
GRAPH 5B
Well MW6 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



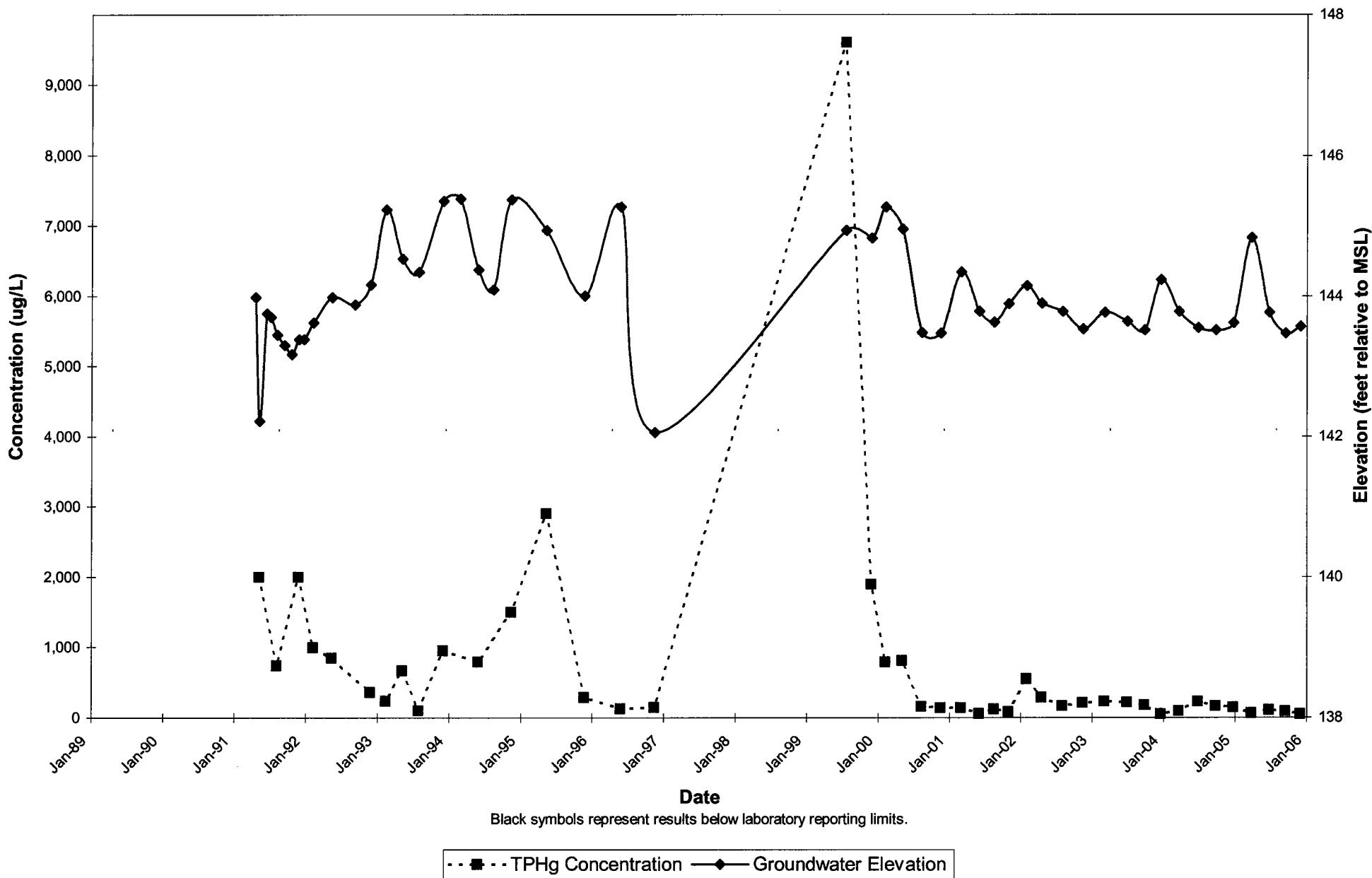
GRAPH 5C
Well MW6 Hydrograph - MTBE Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



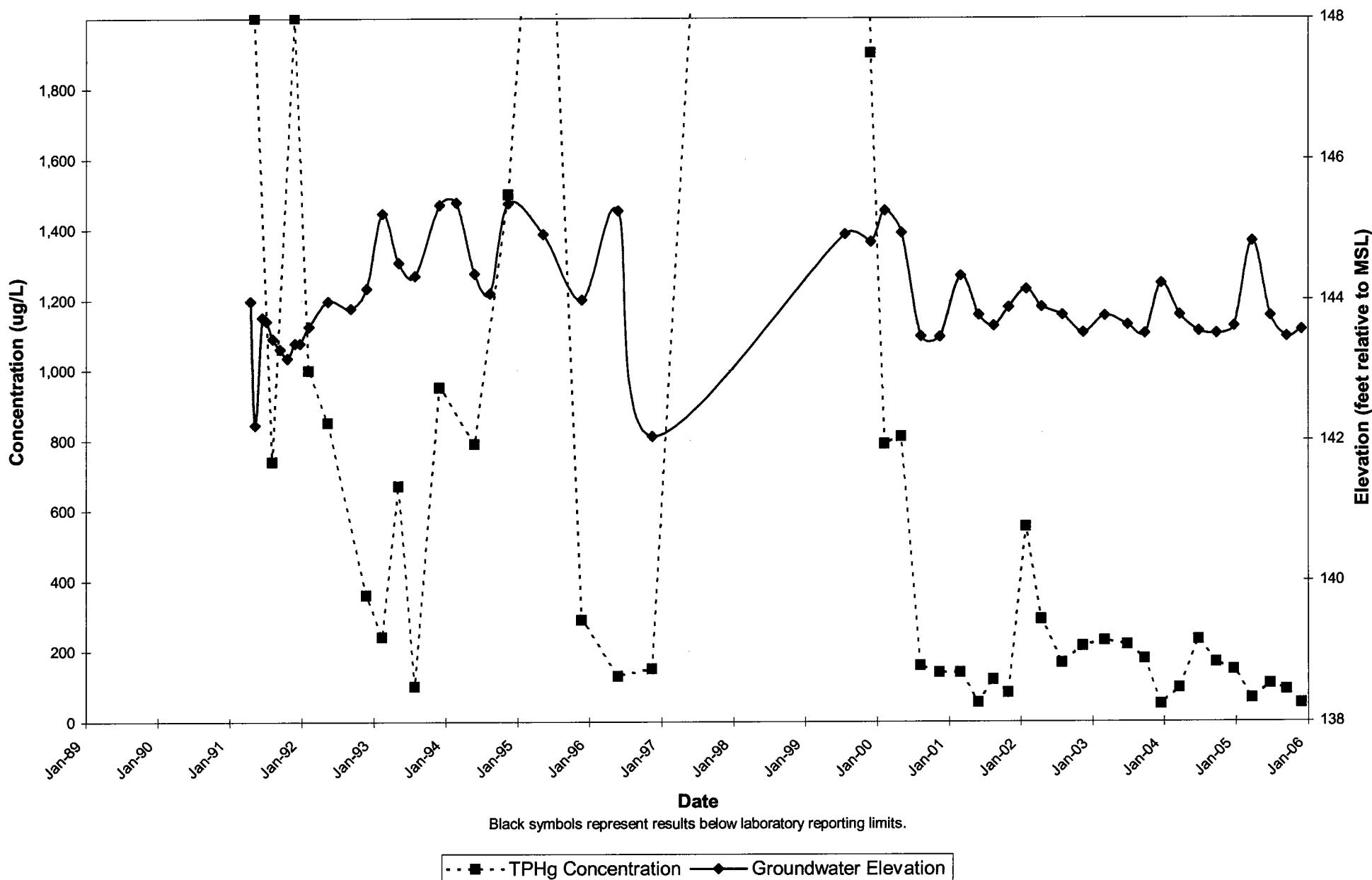
GRAPH 5D
Well MW6 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



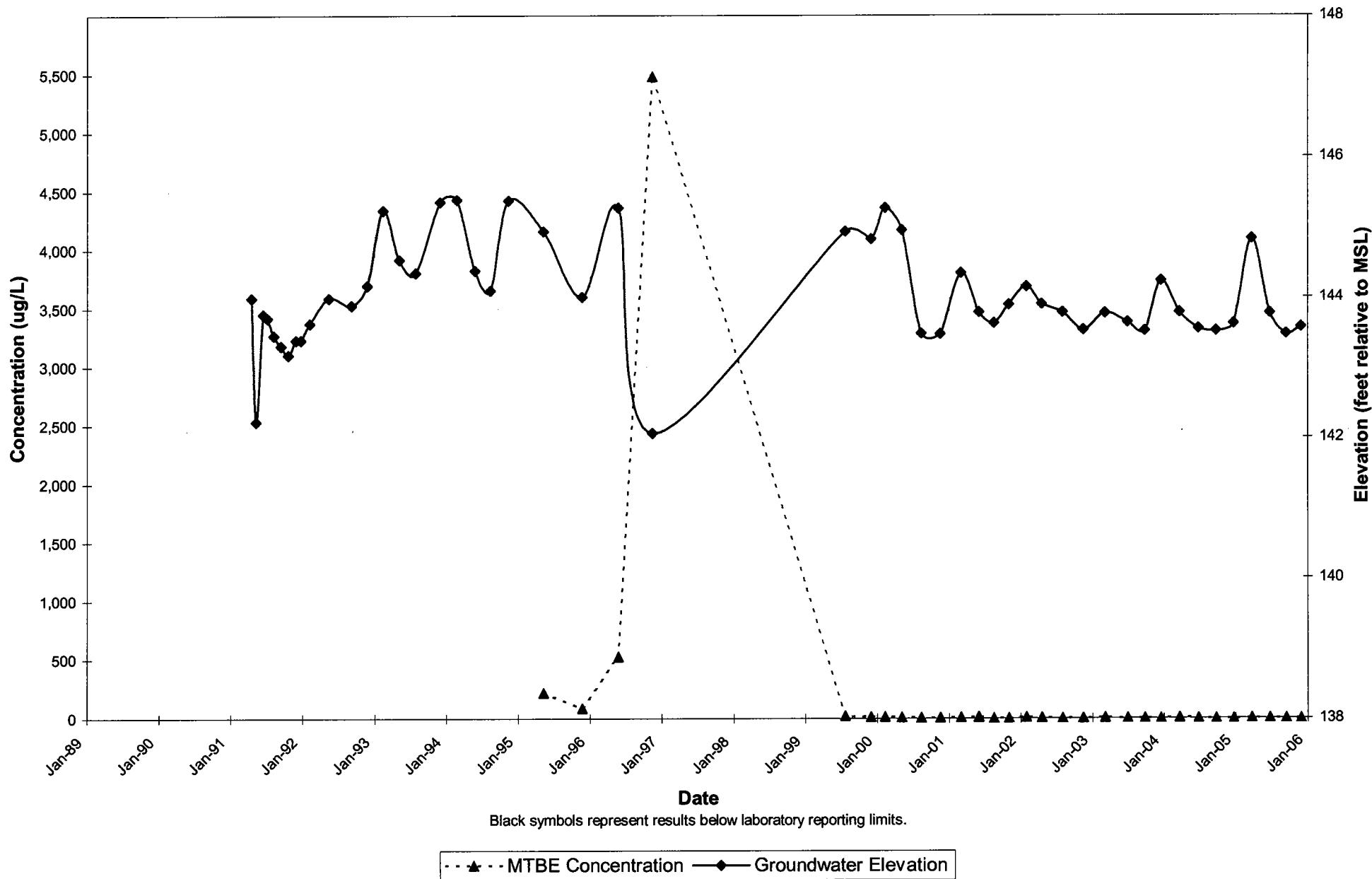
GRAPH 6A
Well MW7 Hydrograph - TPHg Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



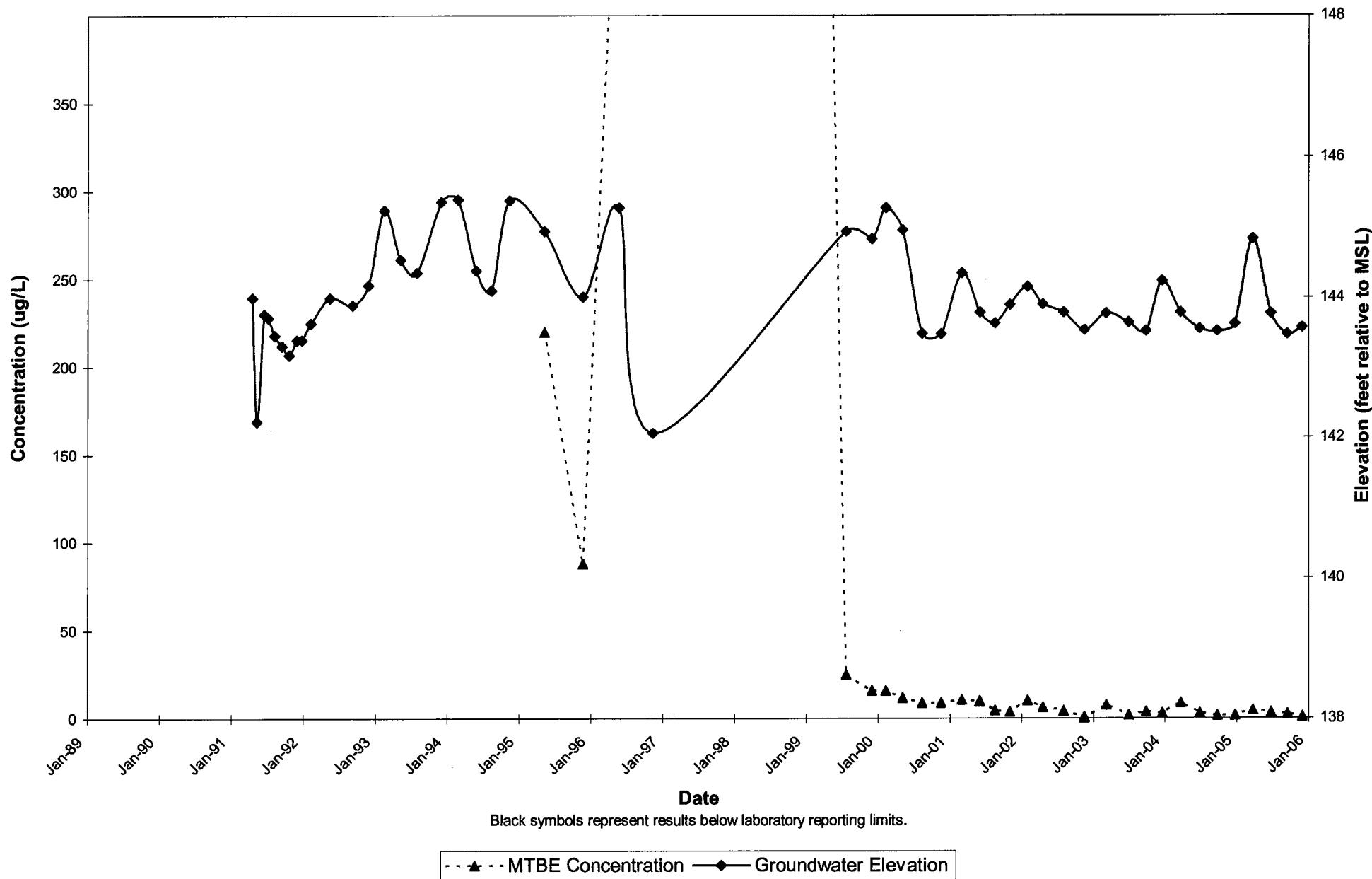
GRAPH 6B
Well MW7 Hydrograph - TPHg Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



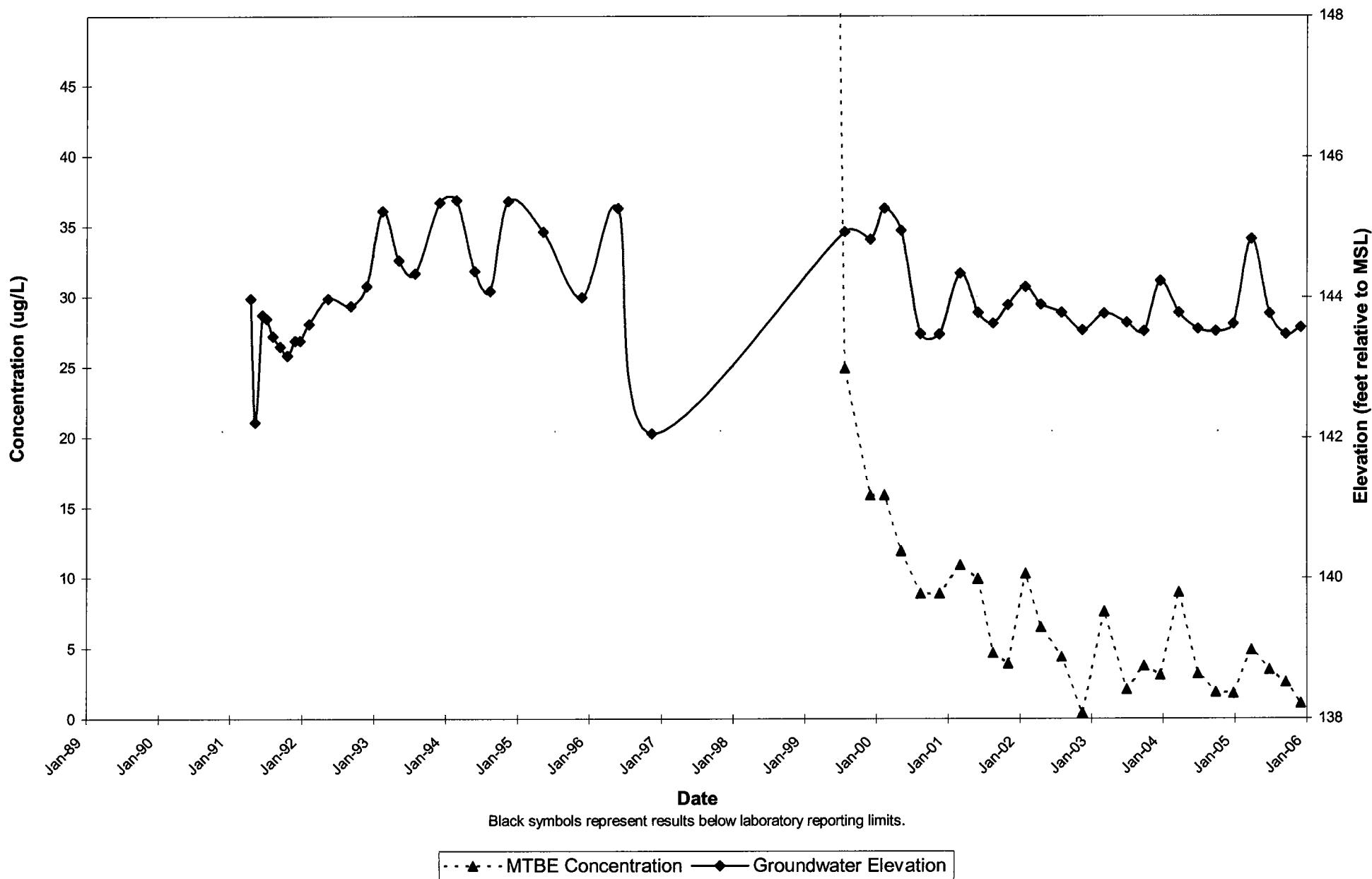
GRAPH 6C
Well MW7 Hydrograph - MTBE Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



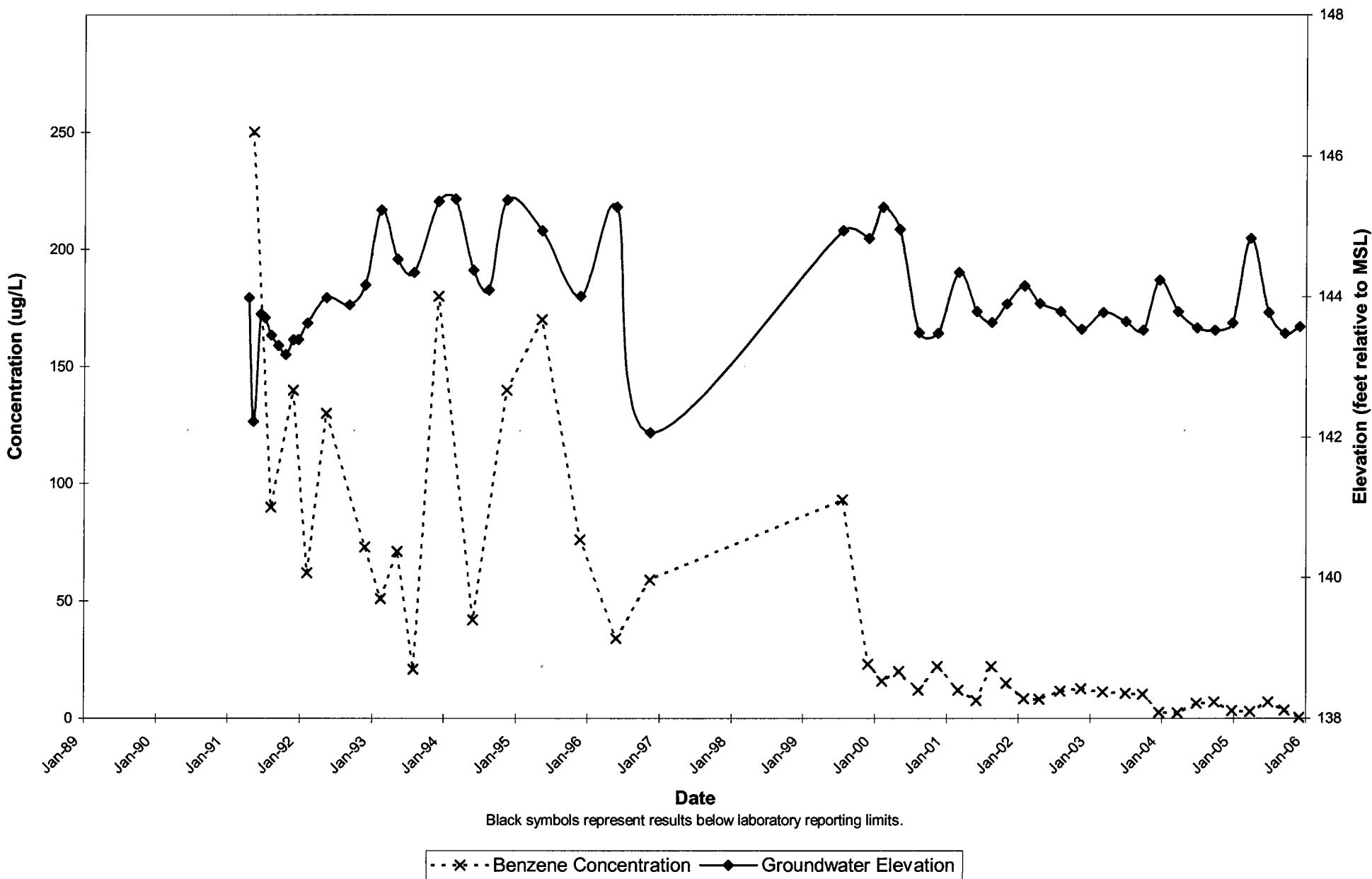
GRAPH 6D
Well MW7 Hydrograph - MTBE Concentration Detail 1
Former Mobil Service Station SR-OSA
Santa Rosa, California



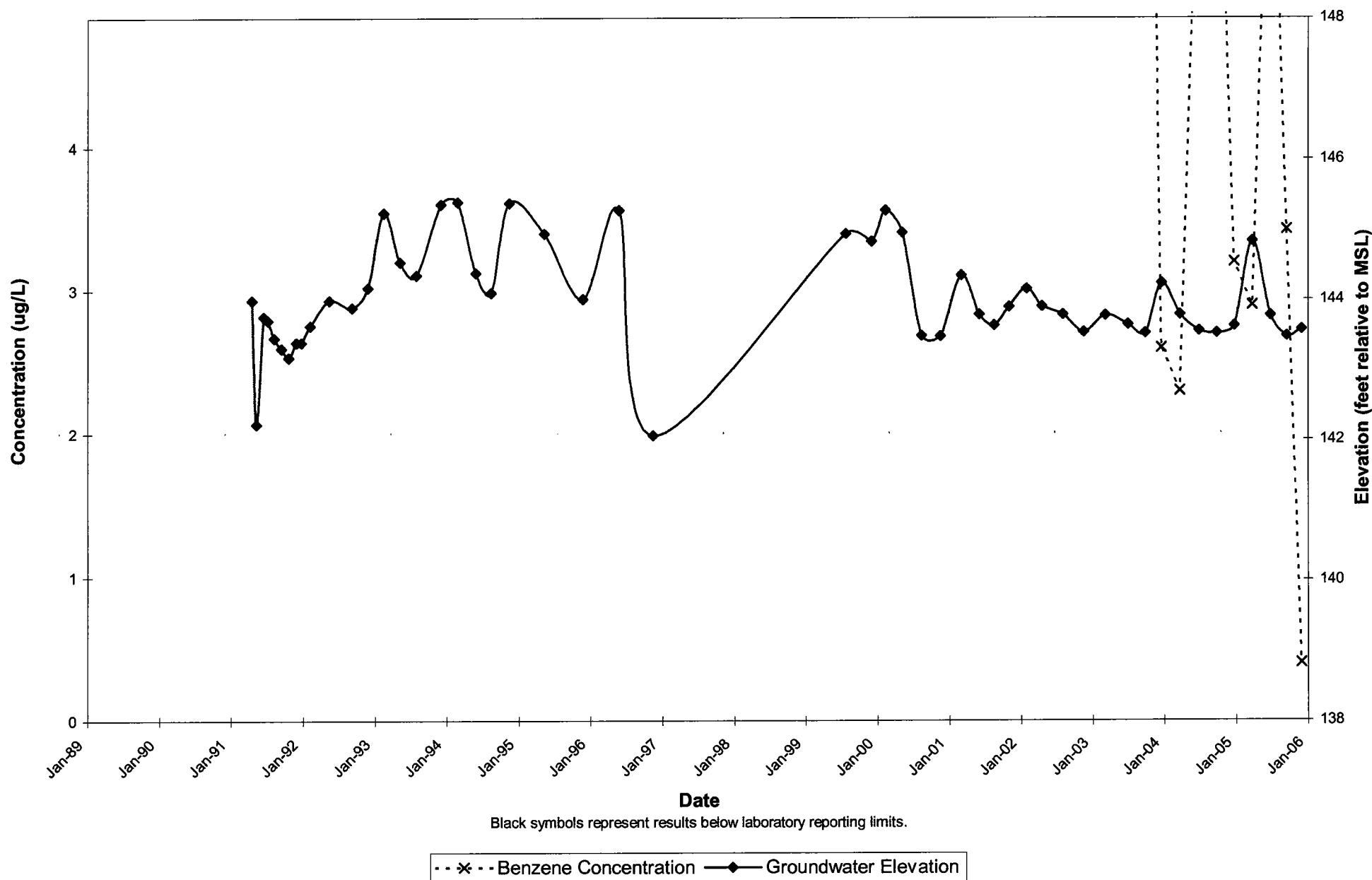
GRAPH 6E
Well MW7 Hydrograph - MTBE Concentration Detail 2
Former Mobil Service Station SR-OSA
Santa Rosa, California



GRAPH 6F
Well MW7 Hydrograph - Benzene Concentration
Former Mobil Service Station SR-OSA
Santa Rosa, California



GRAPH 6G
Well MW7 Hydrograph - Benzene Concentration Detail
Former Mobil Service Station SR-OSA
Santa Rosa, California



ATTACHMENT A

HISTORICAL SOIL BORING DATA

Table 1
Historical Soil Analytical Results
(mg/kg¹)

Boring ²	Depth (feet)	Date Sampled	TPHG ³	Benzene	Toluene	Ethyl-benzene	Xylenes
MW-1	5	08/30/89	<5	<0.05	<0.1	<0.1	<0.3
MW-2	5	08/30/89	7	<0.05	<0.1	<0.1	<0.3
MW-3	5	08/30/89	5	0.08	<0.1	0.2	0.6
MW-4	5	08/30/89	<5	<0.05	<0.1	<0.1	<0.3
MW-6	10-10.5	04/10/91	<1	<0.005	0.007	<0.005	<0.005
MW-7	5.5-6	04/10/91	2,600	18	170	78	350
SB-1	3.7-4.2	06/03/91	980	9.0	36	19	83
SB-3	4.5-5	06/03/91	1,700	<0.5*	<1*	<1.2**	8.2
SB-3	5.5-5.9	06/03/91	170	<0.5*	<1*	<1*	1.1
SB-4	4-4.5	06/03/91	290	1.0	<1*	4	18

¹ milligrams per kilogram

² attempts to advance borings SB-2 and SB-5 were unsuccessful; no samples were obtained from SB-2 and SB-5

³ total petroleum hydrocarbons as gasoline

* raised method reporting limit due to high analyte concentration requiring sample dilution

** raised method reporting limit due to matrix interface

Table 1
 Soil and Ground-water Analytical Results
 (parts per million)

Sample Designation	SOIL									GROUND WATER SB-8 11/23/92
	SB-5 4.0 - 4.5'	SB-5 5.0 - 5.5'	SB-6 3.1 - 3.6'	SB-6 6.3 - 6.8'	SB-7 2.6 - 3.1'	SB-7 5.3 - 5.8'	SB-8 2.6 - 3.1'	SB-9 3.0 - 3.5'	SB-9 6.1 - 6.6'	
Sample Date	11/24/92	11/24/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92	11/23/92
TPH as gasoline	1.6	3.9	<1.0	<1.0	<1.0	<1.0	16	490	1,400	1.3
Benzene	<0.0050	0.0064	<0.0050	<0.0050	<0.0050	<0.0050	1.5	2.0	3.0	0.30
Toluene	0.0061	0.016	<0.0050	<0.0050	<0.0050	<0.0050	0.032	3.5	4.1	<0.00050
Ethylbenzene	<0.0050	0.0063	<0.0050	<0.0050	<0.0050	<0.0050	2.1	7.6	19	0.12
Total xylenes	0.0069	0.021	<0.0050	<0.0050	<0.0050	<0.0050	0.27	34	63	0.28
TPH as diesel	<1.0	11	NR							
Total oil and grease	<10	<10	NR							
Cadmium	<0.25	<0.25	NR							
Chromium	82	54	NR							
Lead	68	22	NR							
Zinc	100	53	NR							
Volatile Organic Compounds	ND	ND	NR							
Semivolatile Organic Compounds	ND	ND	NR							
TPH = Total petroleum hydrocarbons ND = Not detected NR = Not required										

TABLE 2
ANALYTICAL LABORATORY RESULTS OF SOIL SAMPLES
Former Mobil Service Station SR-OSA
257 College Avenue
Santa Rosa, California
(Page 1 of 1)

Sample ID	Date Collected	Depth (ft bgs)	TPHd <.....	TPHg <.....	MTBE <.....	B mg/Kg.....	T	E	X	HVOCs	Total lead
S-2-B1	1/6/2005	2	<9.92	<5.00	<0.0012	0.0837	0.0212	0.0476	0.0839	--	--
S-4-B1	1/6/2005	4	<10.0	<5.00	<0.0010	0.0062	<0.0012	0.0012	0.0036	--	--
S-8-B1	1/6/2005	8	<10.1	15.1	<0.0011	0.0267	0.0139	0.0195	0.0269	--	--
S-11.5-B1	1/6/2005	11.5	<10.0	<5.00	<0.0011	<0.0011	<0.0011	<0.0011	<0.0033	--	--
S-2-B2	1/6/2005	2	<10.0	<7.58	<0.0011	0.0136	0.0136	0.0030	0.0212	--	--
S-6-B2	1/6/2005	6	<9.92	<8.22	<0.0015	0.0025	<0.0061	0.0025	0.0061	--	--
S-8-B2	1/6/2005	8	18.3a	11.5	<0.0014	0.0039	0.0082	0.0324	0.0645	--	--
S-10-B2	1/6/2005	10	<10.1	<7.11	<0.0014	0.0020	0.0030	0.0081	0.0125	--	--
S-11.5-B2	1/6/2005	11.5	<10.1	<6.90	<0.0014	<0.0014	<0.0014	<0.0014	<0.0042	--	--
S-2-B4	1/6/2005	2	11.8a	13.3	<0.0010	2.85	0.0091	0.162	0.0381	--	--
S-4-B4	1/6/2005	4	<9.92	42.9	0.0038	2.20	0.222	1.23	0.246	--	--
S-6-B4	1/6/2005	6	19.5a	202	<0.0455	2.80	1.16	8.69	1.79	--	--
S-8.5-B4	1/6/2005	8.5	12.7a	102	<0.0785	1.75	0.490	5.51	2.56	--	--
S-10-B4	1/6/2005	10	13.6a	45.9	<0.0013	1.38	0.240	3.95	0.335	--	--
S-11.5-B4	1/6/2005	11.5	<10.0	<5.00	0.0014	0.0435	<0.0015	0.0089	<0.0044	--	--
S-2-B5	1/6/2005	2	<10.1	13.2	<0.0016	5.11	0.0114	0.224	0.121	--	--
S-4-B5	1/6/2005	4	13.6a	36.7	<0.0019	1.20	<0.0965	1.53	0.550	--	--
S-6-B5	1/6/2005	6	33.7a	1,410	<0.106	4.38	5.44	44.3	64.1	--	--
S-8-B5	1/6/2005	8	24.1a	61.8	<0.0928	1.47	<0.186	4.01	8.48	--	--
S-10-B5	1/6/2005	10	11.4a	<5.00	0.0065	0.0682	0.0031	0.0155	0.0124	--	--
S-11.5-B5	1/6/2005	11.5	<10.1	<5.02	<0.0018	0.0143	0.0027	0.0204	0.0417	--	--
S-2-B6	1/6/2005	2	<10.0	<4.95	0.0297	<0.0010	<0.0010	<0.0010	0.0089	--	--
S-6-B6	1/6/2005	6	11.4a	<4.95	0.0077	0.0032	0.0010	0.0022	0.0124	--	--
S-8-B6	1/6/2005	8	16.4a	103	<0.0015	0.0058	0.0127	1.27	1.80	--	--
S-10-B6	1/6/2005	10	11.2a	<5.04	<0.0011	0.0019	<0.0010	0.0125	0.0126	--	--
S-12-B6	1/6/2005	12	21.2a	<5.07	<0.0013	0.0021	<0.0010	0.0023	0.0069	--	--
S-2-B7	1/6/2005	2	30.6	<5.00	0.0053	<0.0010	<0.0010	<0.0010	0.0084	--	--
S-4-B7	1/6/2005	4	<10.0	<4.93	0.0198	<0.0010	<0.0010	<0.0010	0.0036	--	--
S-6-B7	1/6/2005	6	10.4a	<4.98	0.0425	<0.0010	0.0020	0.0041	0.0044	--	--
S-8-B7	1/6/2005	8	15.8a	<4.87	0.0330	0.0017	0.0019	0.0025	0.0032	--	--
S-10-B7	1/6/2005	10	13.3a	<5.05	0.0935	0.0044	<0.0010	0.0882	<0.0030	--	--
S-11.5-B7	1/6/2005	11.5	<10.0	<4.99	0.0314	0.0051	<0.0010	0.0131	0.0039	--	--
SP-1-(1-4)	1/6/2005	NA	37.1	<5.03	<0.0020	<0.0010	<0.0050	<0.0050	0.0242	ND	8.90

Notes:

- S-2-B1 = Soil sample - depth, in ft. bgs - boring number.
- ft bgs = Feet below ground surface.
- TPHd = Total purgeable petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
- TPHg = Total purgeable petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
- MTBE = Methyl tert-butyl ether analyzed using EPA Method 8260B.
- BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8021B.
- HVOCs = Halogenated Volatile Organic Compounds analyzed using EPA Method 8260B
- Total lead = Lead analyzed using EPA Method 6010B.
- mg/kg = Milligrams per kilogram.
- NA = Not analyzed / Not applicable.
- ND = All analytes not detected at or above laboratory method reporting limits.
- < = Not detected at or above the stated laboratory method reporting limits.
- = Analysis not run for this sample.
- a = Diesel-range organic compounds reported in sample; however, the chromatogram pattern is not representative of diesel fuel.

ATTACHMENT B

HISTORICAL UST REMOVAL SOIL SAMPLING DATA

Table 1 - Groundwater Samples

Sample Date	Sample ID	TPH-Gasoline	TPH-Diesel	MTEB	B	T	E	X	Lead (Pb)
03/23/99	Effl-1	ND	ND	5.4	ND	1.2	ND	2.1	NA
03/19/99	W-1	24,000	83,000 ²	820	350	1,300	970	4,000	ND
	S-1	6,200	ND	1,500	150	760	120	700	NA
03/17/99	S-2	460,000	11,000	190,000	11,000	55,000	6,100	49,000	NA
	S-3	590,000 ¹	590,000 ²	ND	ND	ND	ND	ND	NA

ND = Not detected above laboratory reporting limits.
NA = Not applicable.
¹ = Chromatogram does not exhibit characteristic diesel pattern. Higher boiling point constituents of gasoline are present.
² = Chromatogram exhibits a pattern characteristic of diesel. Gasoline residue to also present.

Table 2 - Soil Samples

Sample Date	Sample ID	TPH-Gasoline	TPH-Diesel	MTEB	B	T	E	X	Lead (Pb)
03/26/99	Trench-E	ND	7.9	ND	ND	ND	ND	ND	NA
	Trench-N	ND	9.3	0.097	ND	ND	ND	0.024	NA
	Trench-W	1.0	ND	ND	ND	ND	ND	0.092	NA
	Trench-NW	80 ¹	850	ND	ND	6.0	4.5	9.4	NA
03/23/99	SP-3	380	37	2.8	1.2	3.6	4.3	17	7.0
	SP-4	330	ND	3.0	1.0	6.9	5.1	22	NA
	SW-8-7	310	45 ¹	2.9	1.2	1.7	5.2	5.4	NA
	SW-9-7	880	190 ¹	3.5	2.9	3.9	12	16	NA
	SW-10	400	74 ¹	2.2	2.4	3.1	7.5	23	NA
	SW-11	1,600	130 ¹	7.0	7.7	28	15	49	NA
	SW-12	860	200 ¹	1.6	1.9	4.4	11	33	NA
	SW-13	750	180 ¹	1.4	2.0	2.7	12	30	NA
	SW-14	160	140 ¹	2.3	2.1	1.7	4.0	12	NA

ND = Not detected above laboratory reporting limits.
NA = Not applicable.
¹ = Chromatogram does not exhibit characteristic diesel pattern. Higher boiling point constituents of gasoline are present.



Table 2 Continued - Soil Samples

Sample Date	Sample ID	EPHS Conc. PPM	EPHS Diesel	MTBE	B	Toluene	TC	Lead (Pb)	
03/19/99	SW-1-7	1,100	31 ¹	5.3	5.2	12	6.6	30	NA
	SW-2-7	660	ND	ND	4.2	13	4.9	27	NA
	SW-3-8	290	36 ¹	1.7	1.5	1.5	0.79	6.7	4.2
	SW-4-8	3,300	47 ¹	12	17	64	45	150	NA
	SW-5-9	71	ND	2.5	ND	ND	0.35	0.62	NA
	SW-6-91/2	220	43 ¹	1.6	0.43	1.6	1.4	2.8	NA
	SW-7-10	90	ND	1.7	0.47	0.81	0.81	1.4	NA
	SP-1 Composite	120	ND	2.8	0.35	1.3	1.1	4.1	NA
	SP-2 Composite	200	ND	4.0	1.5	3.7	5.4	16	NA
	P1-2.5	5.0	ND	0.079	0.120	0.018	0.029	0.075	NA
03/18/99	P2-2.5	6.4	ND	0.140	0.220	0.023	0.036	0.087	NA
	P3-4.0	200	ND	7.7	1.4	1.4	0.92	3.5	NA
	PX3-6.0	3,500	84 ¹	45	23	19	21	57	5.4
	P4-3.5	540	87 ¹	2.4	2.5	6.0	3.1	22	NA
	P5-3.5	3.7	ND	ND	0.230	0.029	0.056	0.043	6.8
	P6-4.0	3.7	ND	ND	0.021	0.010	0.072	0.170	NA
	P7-4.0	10	34 ¹	3.2	0.35	0.60	0.41	1.4	NA
	P8-4.0	8.4	ND	0.160	0.046	0.056	0.043	0.059	NA
	P9-4.0	4.7	ND	0.210	0.033	0.020	0.039	0.150	NA
	P10-3.5	5.5	ND	0.062	0.140	0.032	0.110	0.043	NA
	P11-3.5	250	ND	2.1	0.91	1.8	0.73	2.5	NA
	P12-4.5	700	71 ¹	6.1	3.3	4.0	3.8	9.9	13
	P13-4.0	440	51 ¹	3.4	2.6	2.1	1.9	6.7	NA

ND = Not detected above laboratory reporting limits.

NA = Not applicable.

¹ = Chromatogram does not exhibit characteristic diesel pattern. Higher boiling point constituents of gasoline are present.

² = Chromatogram exhibits a pattern characteristic of diesel. Gasoline residue to also present.

